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QUARTERLY REPORT #5
VOLUME 1
PART I-II

SHOUT
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QUARTERLY REPORT #5

FIELD DATA

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I. SUMMARY

I. SUMMARY - SEE QUARTERLY REPORT NO. 5

II. WATER RESOURCES

A. SURFACE HYDROLOGY

1. U.S.G.S. WATER DISCHARGE, TEMPERATURE, AND SPECIFIC CONDUCTANCE DATA

09306400 SUMMARY FOR JAN - SEPT 1975 TOTAL: 232802.00, MAX: 3900.00, MIN: 268.00

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
WHITE RIVER ABV HELLS HOLE CANYON NR WATSON NUMBER 09306400

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	427	389	396	350	390	470	421	547	1,400	2,360	669	376
2	416	406	321	350	400	540	400	506	1,540	2,390	614	377
3	425	401	243	350	410	580	356	472	1,930	2,460	582	376
4	413	382	295	300	380	580	360	466	2,200	2,430	562	395
5	422	389	416	270	355	621	398	529	2,480	2,650	539	399
6	437	377	501	270	370	558	461	620	2,810	2,480	468	390
7	448	351	443	300	400	640	464	641	3,180	2,500	406	377
8	445	350	387	330	410	639	464	585	3,500	2,200	364	372
9	446	352	259	330	410	604	400	520	3,900	2,030	350	391
10	452	375	254	300	420	594	345	485	3,560	1,960	315	479
11	462	394	149	270	410	557	325	479	2,890	1,760	268	642
12	461	380	217	270	410	520	306	545	2,340	1,540	373	528
13	484	359	250	300	410	572	301	659	2,070	1,460	626	472
14	488	453	300	320	400	548	288	700	2,120	1,420	463	469
15	461	455	330	320	400	513	279	800	2,530	1,410	443	462
16	444	438	340	290	400	488	279	1,050	2,960	1,350	480	440
17	416	429	352	330	400	543	306	1,160	3,250	1,320	457	412
18	406	416	330	380	380	502	365	1,520	3,180	1,220	439	410
19	401	418	302	380	360	514	385	1,990	2,890	1,070	419	418
20	400	433	358	350	350	484	325	1,850	2,660	1,000	401	415
21	395	418	390	320	340	461	283	2,440	2,300	959	401	418
22	399	391	360	320	330	510	274	2,690	2,200	944	428	416
23	421	453	340	360	310	454	283	2,190	2,040	873	440	427
24	434	459	230	390	310	414	493	1,720	1,890	815	435	432
25	426	430	200	420	340	384	532	1,430	2,000	773	407	452
26	427	403	180	450	360	402	578	1,620	2,310	752	393	443
27	425	408	180	450	390	410	661	1,560	2,180	735	392	439
28	418	425	200	450	420	371	710	1,830	2,100	682	387	469
29	424	376	230	400	------	379	681	1,790	2,210	665	392	460
30	424	398	260	350	------	356	605	1,670	2,300	690	398	449
31	442	------	290	350	------	351	------	1,380	------	670	382	------
TOTAL	13,389	12,108	9,303	10,620	10,665	15,559	12,328	36,444	74,920	45,568	13,693	13,005
MEAN	432	404	300	343	381	502	411	1,176	2,497	1,470	442	434
MAX	488	459	501	450	420	640	710	2,690	3,900	2,650	669	642
MIN	395	350	149	270	310	351	274	466	1,400	665	268	372
AC-FT	26,560	24,020	18,450	21,060	21,150	30,860	24,450	72,290	148,600	90,380	27,160	25,800

WTR YR 1975 TOTAL 267,602 MEAN 733 MAX 3,900 MIN 149 AC-FT 530,800

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
WHITE RIVER ABV HELLS HOLE CANYON NR WATSON NUMBER 09306400

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	452											
2	455											
3	451											
4	455											
5	451											
6	433											
7	427											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

Made Primarily from Recycled Fibers

09306405 SUMMARY FOR JAN - SEPT 1975 TOTAL: 139.90, MAX: 31.00, MIN: 0.00

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
HELL'S HOLE CAN AT MOUTH NR WATSON UT NUMBER 09306405

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	5.0		0		0	0	0
2					0	.31		0		0	0	0
3					0	0		0		0	0	0
4					0	0		0		0	0	0
5					0	0		0		0	0	0
6					0	0		0		0	0	0
7					0	0		0		0	0	0
8					0	0		0		0	0	0
9					0	0		0		0	0	0
10					0	0		0		0	0	27
11					0	0		0		0	0	31
12					0	0		0		0	3.1	3.5
13					0	0		0		0	0	0
14					0	0		0		0	.14	27
15					0	0		0		0	.03	27
16					0	0		0		1.5	0	4.1
17					0	0		0		.02	0	1.2
18					0	0		0		0	0	0
19					0	0		0		0	0	0
20					0	0		0		0	0	0
21					0	0		0		0	0	0
22					0	0		0		0	0	0
23					0	0		0		0	0	0
24					0	0		0		0	0	0
25					0	0		0		0	0	0
26					0	0		0		0	0	0
27					0	0		0		0	0	0
28					6.9	0		0		0	0	0
29					------	0		2.1		0	0	0
30					------	0		0		0	0	0
31		------			------	0	------	0	------	0	0	------
TOTAL	0	0	0	0	6.9	5.31	0	2.1	0	1.52	3.27	120.8
MEAN	0	0	0	0	.25	.17	0	.068	0	.049	.11	4.03
MAX	0	0	0	0	6.9	5.0	0	2.1	0	1.5	3.1	31
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	14	11	0	4.2	0	3.0	6.5	240

WTR YR 1975 TOTAL 139.90 MEAN .38 MAX 31 MIN 0 AC-FT 277

Made Primarily from Recycled Fibres

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
HELL'S HOLE CAN AT MOUTH NR WATSON UT NUMBER 09306405

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
THIMBLE ROCK CAN NR WATSON UT NUMBER 09306417

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8	0											
9	0											
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

09306417 SUMMARY FOR JAN - SEPT 1975 TOTAL: 0.00, MAX: 0.00, MIN: 0.00

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75

THIMBLE ROCK CAN NR WATSON UT NUMBER 09306417

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
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21												
22												
23												
24												
25												
26												
27												
28					------							
29					------							
30		------			------		------		------			------
31		------			------		------		------			------
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1975 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0

WTR YR 1975 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
EVACUATION CREEK AT WATSON UTAH NUMBER 09306420

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8	0											
9	0											
10	0											
11	0											
12	0											
13	0											
14	0											
15	0											
16	0											
17	0											
18	0											
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
EVACUATION CR NR MOUTH NR WATSON UT NUMBER 09306430 S-2

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	.17	.05	.04	.04	7.3	.37	.60	2.2	.54		.08
2	.30	.15	.05	.04	.04	37	.37	.44	1.7	.54		.08
3	.30	.14	.05	.04	.05	12	.52	.31	1.9	.48		.07
4	.30	.12	.06	.04	.05	3.7	1.2	.29	1.5	.42	.84	.07
5	.30	.14	.06	.04	.05	2.4	8.6	.75	1.1	.42	.24	.06
6	.30	.16	.05	.04	.05	2.0	2.4	3.1	.78	.42	.26	.07
7	.30	.17	.05	.04	.05	1.1	1.8	1.9	.72	.42	.30	.07
8	.30	.20	.05	.04	.05	.65	1.5	2.2	1.7		.42	.08
9	.30	.23	.05	.04	.05	.49	.93	1.7	2.0		.54	0
10	.30	.25	.04	.04	.05	.60	.36	1.4	3.6		.60	0
11	.30	.24	.04	.04	.05	.59	.31	.90	2.3		.54	0
12	.30	.27	.04	.04	.15	.21	.28	.84	1.4		.54	0
13	.30	.18	.04	.04	.04	.20	.24	.66	1.2		.36	0
14	.87	.09	.04	.04	.04	.17	.26	.42	.78		.78	0
15	.72	.09	.04	.04	.04	.20	.29	.42	.72		.26	0
16	.53	.12	.04	.04	.04	.22	.36	.42	.72		.26	0
17	.42	.12	.04	.03	.04	.31	.64	.42	.66		.26	0
18	.31	.13	.04	.03	.04	.32	.80	.36	.72		.24	0
19	.26	.10	.04	.03	.04	.28	.52	.36	1.4		.22	0
20	.23	.07	.04	.03	.03	.23	.52	1.2	1.5		.20	0
21	.18	.06	.04	.03	.04	.20	.45	7.5	2.0		.20	0
22	.13	.03	.04	.03	.05	.21	.49	10	1.9		.18	0
23	.16	.03	.04	.03	.04	.22	.70	9.0	1.1		.18	0
24	.20	.03	.04	.03	.04	.20	.67	6.9	.84		.16	0
25	.20	.03	.04	.03	.04	.23	.67	4.2	.66		.16	0
26	.20	.04	.04	.03	.04	.26	.94	2.5	.66		.14	0
27	.23	.04	.04	.03	.04	.28	1.0	2.5	.60		.14	0
28	.23	.04	.04	.03	3.1	.29	.77	40	.54		.14	0
29	.21	.04	.04	.03	------	.28	.81	56	.54		.12	0
30	.20	.04	.04	.04	------	.28	.73	28	.54		.10	0
31	.17	------	.04	.04	------	.35	------	1.9	------		.10	------
TOTAL	9.35	3.52	1.35	1.11	4.38	72.77	29.50	187.19	37.98			.58
MEAN	.30	.12	.044	.036	.16	2.35	.98	6.04	1.27			.019
MAX	.87	.27	.06	.04	3.1	37	8.6	56	3.6			.08
MIN	.13	.03	.04	.03	.03	.17	.24	.29	.54			0
AC-FT	19	7.0	2.7	2.2	8.7	144	59	371	75			1.2

09306420 SUMMARY FOR JAN - SEPT 1975 TOTAL: 509.94, MAX: 41.00, MIN: 0.00

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
EVACUATION CREEK AT WATSON UTAH NUMBER 09306420 5-6

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.01	.01	.10	.10	11	1.2	1.5	3.6	.13	.15	.09
2	.01	.01	.01	.10	.10	22	.91	1.3	3.0	.13	.15	.12
3	.01	.01	.01	.10	.10	14	.85	1.2	2.4	.15	.15	.13
4	.01	.01	.01	.10	.10	9.2	3.5	1.2	1.8	.15	.08	.15
5	.01	.01	.19	.10	.10	6.4	8.8	2.4	1.5	.18	.01	.17
6	.01	.01	.42	.10	.10	3.5	8.4	2.9	1.2	.22	.01	.22
7	.01	.01	.40	.10	.10	2.5	7.5	2.7	.90	.22	.02	.26
8	.01	.01	.20	.10	.20	1.9	6.9	2.6	2.5	.40	.04	.29
9	.01	.01	.10	.10	.30	1.3	4.6	2.1	2.3	.62	.03	.37
10	.01	.01	.10	.10	.30	1.2	1.6	1.6	2.7	1.2	.05	14
11	.01	.01	.10	.10	.30	1.1	1.4	1.0	2.3	1.1	1.7	12
12	.01	.02	.10	.10	.30	.70	1.4	.58	1.6	.57	11	10
13	.01	.02	.10	.10	.30	.47	1.1	.53	1.2	1.2	18	8.0
14	.01	.02	.10	.10	.30	.38	1.1	.31	.72	3.7	18	6.0
15	.01	.03	.10	.10	.30	.32	1.0	.34	.46	3.4	.08	4.0
16	.01	.01	.10	.10	.30	.26	1.1	.38	.56	2.0	.03	2.0
17	.01	.01	.30	.10	.30	.32	1.1	.44	.74	9.6	.03	1.0
18	.01	.01	.30	.10	.30	.31	.83	1.3	1.2	2.8	.01	.01
19	.01	.01	.30	.10	.30	.38	.58	2.5	1.9	2.6	0	.01
20	.01	.01	.30	.10	.30	.43	.50	2.8	1.6	2.6	0	.01
21	.02	.01	.30	.10	.30	.51	.41	5.2	2.1	2.6	0	.01
22	.02	.07	.20	.10	.30	.43	.43	4.9	2.2	1.6	0	.01
23	.01	.13	.10	.10	.30	.27	.40	5.1	1.9	.04	.01	.01
24	.01	.06	.10	.10	.30	.21	.50	6.6	1.2	.02	.01	.01
25	.01	.07	.10	.10	.30	.29	.58	7.6	.78	.03	.01	.01
26	.01	.08	.10	.10	.30	.61	1.3	11	.97	.01	.01	.01
27	.01	.07	.10	.10	.30	.64	1.4	13	.56	0	.01	.01
28	.01	.20	.10	.10	.40	.55	1.3	41	.23	0	.01	.01
29	.01	.04	.10	.10	------	.50	1.4	26	.12	0	.03	.01
30	.01	.03	.10	.10	------	.59	1.5	7.6	.12	.16	.06	0
31	.01	------	.10	.10	------	.77	------	5.0	------	.06	.07	------
TOTAL	.33	1.01	4.65	3.10	7.00	83.04	63.59	162.68	44.36	37.49	49.76	58.92
MEAN	.011	.034	.15	.10	.25	2.68	2.12	5.25	1.48	1.21	1.61	1.96
MAX	.02	.20	.42	.10	.40	22	8.8	41	3.6	9.6	18	14
MIN	.01	.01	.01	.10	.10	.21	.40	.31	.12	0	0	0
AC-FT	.7	2.0	9.2	6.1	14	165	126	323	88	74	99	117

WTR YR 1975 TOTAL 515.93 MEAN 1.41 MAX 41 MIN 0 AC-FT 1,020

WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974						
21...	.0	5190	90	2.8	<17	<5.3
DEC.						
10...	<.1	5190	90	--	<24	7.5
MAR., 1975						
12...	.1	5190	90	.67	<32	<5.9
12...	--	5190	90	--	--	--

09306415 SUMMARY FOR JAN - SEPT 1975 TOTAL: 791.63, MAX: 71.00, MIN: 0.00

UNITED STATES DEPARTMENT OF INTERIOR--GEOLOGICAL SURVEY--WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
EVACUATION CR BLW PARK CAN NR WATSON UT NUMBER 09306415

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	.20	.22	.20	.10	10	1.3	1.9	.66	.38		0
2	.20	.23	.22	.20	.10	15	.66	1.6	.66	.30		0
3	.20	.23	.20	.20	.10	16	.86	1.3	.62	.30		0
4	.20	.25	.20	.20	.10	5.0	14	1.3	1.7	.24		0
5	.20	.20	.20	.20	.10	3.0	8.1	2.4	1.5	.24		0
6	.20	.20	.20	.20	.10	22.3	4.3	3.6	1.2	.21		0
7	.20	.20	.20	.20	.10	11.8	22.9	2.7	1.1	.21		0
8	.20	.24	.20	.20	.10	11.8	22.7	1.9	4.0	15		0
9	.20	.23	.20	.20	.10	11.6	22.4	1.7	1.9	15		.18
10	.20	.22	.20	.20	.10	22.0	11.8	1.3	2.9	9.0		9.8
11	.20	.23	.20	.20	.10	22.4	11.8	.94	1.7	.24		.70
12	.20	.19	.20	.20	.10	1.7	1.7	.70	.70	.24		0
13	.20	.12	.20	.20	.10	.81	1.6	.70	.66	1.8		0
14	.20	.13	.20	.20	.10	.48	1.8	.62	.58	7.2		0
15	.20	.14	.20	.20	.10	.38	1.9	.58	.58	3.5		0
16	.20	.18	.20	.20	.10	.23	2.2	.58	.62	.38		0
17	.20	.14	.20	.20	.10	.91	2.7	.66	.82	69		0
18	.20	.16	.20	.20	.10	.27	2.4	1.4	.66	53		0
19	.20	.15	.20	.20	.10	.28	2.3	2.7	1.7	51		0
20	.20	.13	.20	.20	.10	.28	2.1	2.9	.82	51		0
21	.20	.22	.20	.20	.10	.30	2.0	9.0	2.2	51		0
22	.20	.23	.20	.20	.10	.27	2.4	7.2	1.9	53		0
23	.20	.24	.20	.20	.10	.16	2.5	5.9	1.4	5.4		0
24	.20	.17	.20	.20	.10	.15	2.4	4.5	1.2	0		0
25	.20	.24	.20	.20	.10	.09	2.3	2.7	1.2	0		0
26	.20	.25	.20	.20	.10	.61	3.0	2.7	1.1	0		0
27	.20	.20	.20	.20	.10	1.3	2.6	2.9	.62	0		0
28	.20	.20	.20	.20	.10	.41	2.5	71	.50	0		0
29	.20	.21	.20	.20	------	.17	2.2	42	.46	0		0
30	.20	.22	.20	.20	------	.57	2.1	14	.38	0		0
31	.20	------	.20	.20	------	.36	------	.94	------	0		------
TOTAL	6.20	5.90	6.24	6.20	2.80	70.63	83.52	194.32	35.84	387.64	0	10.68
MEAN	.20	.20	.20	.20	.10	2.28	2.78	6.27	1.19	12.5	0	.36
MAX	.20	.25	.22	.20	.10	16	14	71	4.0	69	0	9.8
MIN	.20	.12	.20	.20	.10	.09	.66	.58	.38	0	0	0
AC-FT	12	12	12	12	5.6	140	166	385	71	769	0	21

WTR YR 1975 TOTAL 809.97 MEAN 2.22 MAX 71 MIN 0 AC-FT 1,610

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
EVACUATION CR TRIBUTARY NR WATSON UT NUMBER 09306425

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											0	
2											0	
3											0	
4											0	
5											0	
6												
7												
8												
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25												
26												
27											0	
28											0	
29					------						0	
30					------						0	
31		------			------		------		------		0	------
TOTAL	0	0	0	0	0	0	0	0	0	0		0
MEAN	0	0	0	0	0	0	0	0	0	0		0
MAX	0	0	0	0	0	0	0	0	0	0		0
MIN	0	0	0	0	0	0	0	0	0	0		0
AC-FT	0	0	0	0	0	0	0	0	0	0		0

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
EVACUATION CR TRIBUTARY NR WATSON UT NUMBER 09306425

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8	0											
9	0											
10												
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25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
EVACUATION CR NR MOUTH NR WATSON UT NUMBER 09306430

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8												
9												
10												
11												
12												
13												
14												
15												
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22												
23												
24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
WHITE RIVER NEAR WATSON UTAH NUMBER 09306500
DRAINAGE AREA 4,020.00 SQ MI

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	427	444	235	350	390	470	447	543	1,380	2,560	640	356
2	416	461	245	350	400	520	442	513	1,560	2,550	582	352
3	425	464	280	350	410	580	402	483	2,050	2,580	592	353
4	413	443	290	300	380	580	398	467	2,260	2,510	589	363
5	422	447	394	270	355	621	429	517	2,440	2,630	577	367
6	437	443	476	270	370	558	450	603	2,630	2,460	547	357
7	448	410	470	300	400	640	481	629	2,860	2,430	520	345
8	445	405	419	330	410	639	499	584	3,140	2,220	514	331
9	446	406	311	330	410	604	478	534	3,780	2,060	531	333
10	452	416	286	300	420	594	433	502	3,810	1,960	523	414
11	462	433	174	270	410	557	412	491	3,010	1,810	515	623
12	461	448	201	270	410	520	402	540	2,470	1,540	513	506
13	484	442	244	300	410	572	399	660	2,250	1,370	534	443
14	488	448	332	320	400	548	397	698	2,280	1,290	483	
15	461	466	335	320	400	513	397	798	2,590	1,180	480	465
16	444	460	339	290	400	499	409	1,000	3,040	1,210	510	452
17	416	454	352	330	400	543	435	1,240	3,380	1,390	494	430
18	406	448	331	380	380	498	479	1,660	3,350	1,290	470	409
19	401	436	295	380	360	504	540	1,950	3,020	1,130	434	409
20	400	442	340	350	350	512	495	1,840	2,800	1,010	413	410
21	395	436	388	320	340	483	447	2,170	2,470	953	409	409
22	399	412	354	320	330	519	432	2,360	2,390	950	430	402
23	421	454	344	360	310	489	440	2,180	2,280	854	441	409
24	434	472	230	390	310	450	480	1,790	2,170	774	432	415
25	426	448	200	420	340	420	526	1,590	2,250	714	404	424
26	427	424	180	450	360	422	549	1,730	2,490	687	388	423
27	425	424	180	450	390	433	605	1,670	2,420	670	385	420
28	418	430	200	450	420	397	651	1,970	2,350	614	376	442
29	424	360	240	400	------	397	647	1,980	2,460	593	379	439
30	424	424	270	350	------	379	590	1,800	2,540	618	380	430
31	442	------	300	350	------	384	------	1,440	------	616	367	------
TOTAL	13,389	13,100	9,235	10,620	10,665	15,845	14,191	36,932	77,920	45,223	14,852	
MEAN	432	437	298	343	381	511	473	1,191	2,597	1,459	479	
MAX	488	472	476	450	420	640	651	2,360	3,810	2,630	640	
MIN	395	360	174	270	310	379	397	467	1,380	593	367	
AC-FT	26,560	25,980	18,320	21,060	21,150	31,430	28,150	73,250	154,600	89,700	29,460	

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
WHITE RIVER NEAR WATSON UTAH NUMBER 09306500
DRAINAGE AREA 4,020.00 SQ MI

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	431											
2	433											
3	433											
4	445											
5	445											
6	443											
7												
8												
9												
10												
11												
12												
13												
14												
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16												
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24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

09306600 SUMMARY FOR JAN - SEPT 1975 TOTAL: 238218.00, MAX: 3910.00, MIN: 270.00

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
WHITE R ABV SOUTHAM CAN NR WATSON UT NUMBER 09306600

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	427	436	404	350	390	470	452	496	1,540	2,400	655	333
2	416	440	336	350	400	540	436	483	1,630	2,380	588	327
3	425	444	267	350	410	580	404	459	1,900	2,380	564	322
4	413	424	309	300	380	580	404	452	2,110	2,410	556	332
5	422	428	358	270	355	621	436	489	2,370	2,450	535	336
6	437	428	464	270	370	558	480	569	2,730	2,480	509	332
7	448	400	452	300	400	640	484	638	2,730	2,490	481	317
8	445	400	432	330	410	639	486	607	3,480	2,370	473	311
9	446	404	336	330	410	604	482	553	3,820	2,180	487	318
10	452	420	330	300	420	594	446	519	3,910	2,070	488	377
11	462	440	238	270	410	560	410	517	2,970	1,850	473	660
12	461	444	215	270	410	520	408	572	2,410	1,590	474	514
13	484	440	225	300	410	565	411	691	2,190	1,430	517	461
14	460	464	277	320	400	510	411	741	2,290	1,350	461	460
15	452	484	293	320	400	488	406	819	2,550	1,240	457	496
16	440	476	339	290	400	476	412	1,060	3,000	1,230	484	468
17	432	468	352	330	400	525	421	1,320	3,200	1,390	471	460
18	420	456	331	380	380	472	416	1,640	3,150	1,310	446	453
19	416	456	295	380	360	496	416	1,970	3,000	1,230	416	479
20	412	472	340	350	350	496	417	1,840	2,850	1,220	396	479
21	404	460	388	320	340	464	413	2,180	2,440	1,220	395	489
22	412	432	354	320	330	500	414	2,460	2,330	1,210	416	495
23	420	468	344	360	310	476	415	2,240	2,220	1,200	436	513
24	424	480	230	390	310	440	440	1,840	2,110	947	429	531
25	404	468	200	420	340	420	486	1,600	2,220	747	409	556
26	416	444	180	450	360	432	488	1,700	2,310	714	397	559
27	412	444	180	450	390	444	484	1,650	2,200	712	400	529
28	408	460	200	450	420	388	484	1,880	2,100	646	382	527
29	412	400	230	400	------	392	484	1,910	2,220	629	374	498
30	416	400	260	350	------	396	480	1,810	2,310	662	376	460
31	428	------	290	350	------	396	------	1,560	------	641	355	------
TOTAL	13,326	13,280	9,449	10,620	10,665	15,682	13,226	37,265	76,290	46,778	14,300	13,392
MEAN	430	443	305	343	381	506	441	1,202	2,543	1,509	461	446
MAX	484	484	464	450	420	640	488	2,460	3,910	2,490	655	660
MIN	404	400	180	270	310	388	404	452	1,540	629	355	311
AC-FT	26,430	26,340	18,740	21,060	21,150	31,110	26,230	73,920	151,300	92,780	28,360	26,560

WTR YR 1975 TOTAL 274,273 MEAN 751 MAX 3,910 MIN 180 AC-FT 544,000

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
WHITE R ABV SOUTHAM CAN NR WATSON UT NUMBER 09306600

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	441											
2	445											
3	435											
4	435											
5	431											
6	414											
7	403											
8	409											
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
SOUTHAM CAN WASH NR WATSON UT NUMBER 09306605 59

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	.28					0	
2					0	0					0	
3					0	0					0	
4					0	0					0	
5					0	0					0	
6					0	0						
7					0	0						
8					0	0						
9					0	0						
10					0	0						
11					0	0						0
12					0	0						0
13					0	0						0
14					0	0						0
15					0	0						0
16					0	0						0
17					0	0						0
18					0	0						0
19					0	0						0
20					0	0						0
21					0	0						0
22					0	0						0
23					0	0						0
24					0	0						0
25					0	0						0
26					0	0						0
27					0	0						0
28					.49	0						0
29					------	0						0
30					------	0						0
31		------			------	0	------		------			------
TOTAL	0	0	0	0	.49	.28	0	0	0	0		
MEAN	0	0	0	0	.018	.009	0	0	0	0		
MAX	0	0	0	0	.49	.28	0	0	0	0		
MIN	0	0	0	0	0	0	0	0	0	0		
AC-FT	0	0	0	0	1.0	.6	0	0	0	0		

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
SOUTHAM CAN WASH NR WATSON UT NUMBER 09306605

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8	0											
9												
10												
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24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
SOUTHAM CAN WASH AT MOUTH NR WATSON UT NUMBER 09306610

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	4.0	0				0	
2					0	1.8	0				0	
3					0	0	0				0	
4					0	0	0				0	
5					0	0	0				0	
6					0	0	0					
7					0	0	0					
8					0	0	.02					
9					0	0	0					
10					0	0	0					
11					0	0	0					0
12					0	0	0					0
13					0	0	0					0
14					0	0	0					
15					0	0	0					
16					0	0	0					
17					0	0	0					
18					0	0	0					
19					0	0	0					
20					0	0	0					
21					0	0	0					
22					0	0	0					
23					0	0	0					
24					0	0	0					0
25					0	0	0					0
26					0	0	0					0
27					0	0	0					0
28					4.7	0	0					0
29					------	0	0					0
30					------	0	0					0
31		------			------	0	------		------			------
TOTAL	0	0	0	0	4.7	5.8	.02	0	0	0		
MEAN	0	0	0	0	.17	.19	.0007	0	0	0		
MAX	0	0	0	0	4.7	4.0	.02	0	0	0		
MIN	0	0	0	0	0	0	0	0	0	0		
AC-FT	0	0	0	0	9.3	12	.04	0	0	0		

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
SOUTHAM CAN WASH AT MOUTH NR WATSON UT NUMBER 09306610

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8	0											
9												
10												
11												
12												
13												
14												
15												
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24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
ASPHALT WASH BLW CENTER FORK NR WATSON UT NUMBER 09306620

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0					0	0	
2					0					0	0	
3					0					0	0	
4					0					0	0	
5					0					0	0	
6					0					0		
7					0					0		
8					0					0		
9					0					0		
10					0					0		
11					0					0		0
12					0					0	.06	0
13					0					0		0
14					0					0		0
15					0					1.3		0
16					0					0		0
17					0					0		0
18					0					0		0
19					0					0		0
20					0					0		0
21					0					0		0
22					0					0		0
23					0					0		0
24					0					0		0
25					0					0		0
26					0					0		0
27					2.5					0		0
28					.61					0		0
29					======					0		0
30					======					0		0
31		======			======		======		======	0		======
TOTAL	0	0	0	0	3.11	0	0	0	0	1.3		
MEAN	0	0	0	0	.11	0	0	0	0	.042		
MAX	0	0	0	0	2.5	0	0	0	0	1.3		
MIN	0	0	0	0	0	0	0	0	0	0		
AC-FT	0	0	0	0	6.2	0	0	0	0	2.6		

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
ASPHALT WASH BLW CENTER FORK NR WATSON UT NUMBER 09306620

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8	0											
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
ASPHALT WASH AT MOUTH NR WATSON UT NUMBER 09306625

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						.23				0	0	
2						0				0	0	
3						0				0	0	
4						0				0	0	
5						0				0	0	
6						0				0	0	
7						0				0	0	
8						0				0		
9						0				0		0
10						0				0		.77
11						0				0		0
12						0				0	2.2	0
13						0				0	.04	0
14						0				0	.15	0
15						0				4.7	.01	0
16						0				.27		0
17						0				0		0
18						0				0		0
19						0				0		0
20						0				0		0
21						0				0		0
22						0				0		0
23						0				0		0
24						0				0		0
25						0				0		0
26						0				0		0
27						0				0		0
28						0				0		0
29					------	0				0		0
30					------	0				0		0
31		------			------	0	------		------	0		------
TOTAL	0	0	0	0	0	.23	0	0	0	4.97		
MEAN	0	0	0	0	0	.007	0	0	0	.16		
MAX	0	0	0	0	0	.23	0	0	0	4.7		
MIN	0	0	0	0	0	0	0	0	0	0		
AC-FT	0	0	0	0	0	.5	0	0	0	9.9		

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UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
ASPHALT WASH AT MOUTH NR WATSON UT NUMBER 09306625

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8	0											
9	0											
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
WHITE R BLW ASPHALT WASH NR WATSON UT NUMBER 09306700

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	427	462	264	350	390	470	465	520	1,600	2,540	748	336
2	416	465	229	350	400	540	435	500	1,670	2,590	662	337
3	425	470	271	350	410	580	402	470	1,940	2,630	629	332
4	413	450	330	300	380	580	386	460	2,150	2,580	604	346
5	422	450	385	270	355	621	430	500		2,700	571	351
6	437	445	490	270	370	558	460	580	2,720	2,570	541	347
7	448	415	480	300	400	640	480	640	2,920	2,520	497	328
8	445	410	440	330	410	639	490	590	3,180	2,200	477	324
9	446	415	335	330	410	604	480	540	3,820	2,030	484	320
10	452	430	306	300	420	594	450	510	4,190	1,930	490	358
11	462	455	174	270	410	557	410	500	3,370	1,780	471	649
12	461	459	201	270	410	520	410	560	2,670	1,530	458	519
13	484	441	244	300	410	572	400	680	2,280	1,390	522	454
14	488	435	332	320	400	548	376	720	2,270	1,320	449	446
15	461	455	335	320	400	513	370	810	2,610	1,270	451	485
16	444	450	339	290	400	510	373	1,100	3,090	1,280	474	457
17	416	441	352	330	400	560	391	1,320	3,520	1,430	477	435
18	406	433	331	380	380	505	446	1,650	3,660	1,310	445	408
19	401	427	295	380	360	530	491	2,010	3,240	1,160	413	406
20	400	445	340	350	350	520	441	1,890	3,010	1,040	383	403
21	432	433	388	320	340	510	392	2,130	2,580	977	379	396
22	438	396	354	320	330	520	377	2,550	2,430	973	392	390
23	444	443	344	360	310	500	384	2,250	2,260	866	414	404
24	449	458	230	390	310	460	432	1,850	2,110	815	410	412
25	444	449	200	420	340	430	485	1,620	2,170	777	384	426
26	447	419	180	450	360	435	522	1,690	2,450	755	363	435
27	443	418	180	450	390	455	579	1,670	2,400	789	372	421
28	441	442	200	450	420	385	633	1,900	2,290	734	347	448
29	442	355	230	400	------	385	600	1,950	2,390	739	351	445
30	441	436	260	350	------	390	550	1,870	2,490	771	361	442
31	458	------	290	350	------	380	------	1,640	------	740	353	------
TOTAL	13,633	13,102	9,329	10,620	10,665	16,011	13,540	37,670		46,736	14,372	12,260
MEAN	440	437	301	343	381	516	451	1,215		1,508	464	409
MAX	488	470	490	450	420	640	633	2,550		2,700	748	649
MIN	400	355	174	270	310	380	370	460		734	347	320
AC-FT	27,040	25,990	18,500	21,060	21,150	31,760	26,860	74,720		92,700	28,510	24,320

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
TABLE PRINTED 11-10-75
WHITE R BLW ASPHALT WASH NR WATSON UT NUMBER 09306700

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	445											
2	452											
3	445											
4	444											
5	444											
6	428											
7	419											
8	430											
9	430											
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					------							
31		------			------		------		------			------
TOTAL												
MEAN												
MAX												
MIN												
AC-FT												

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306400
WHITE RIVER ABV HELLS HOLE CANYON NR WATSON

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	6.5	0.5	0.0	1.0	0.5	3.5	11.0	13.0	16.5	20.0	19.0
2	14.0	7.0	0.5	0.0	1.0	0.5	3.5	12.0	14.0	17.5	20.5	19.5
3	13.5	6.5	0.5	0.0	1.0	0.5	4.0	13.0	14.5	18.0	21.0	19.0
4	13.5	6.5	0.5	0.5	1.0	0.5	6.0	12.0	15.0	18.0	21.5	19.5
5	13.5	5.5	1.5	0.5	1.0	0.5	8.0	9.5	15.0	19.0	21.5	19.5
6	13.0	5.0	0.5	0.5	1.0	0.5	8.5	9.0	15.5	19.0	22.0	19.0
7	13.0	4.5	0.5	0.5	1.0	0.5	7.0	8.5	16.5	19.5	22.0	19.5
8	13.0	4.0	0.5	0.5	1.0	0.5	5.0	9.5	15.0	20.0	21.0	19.5
9	12.5	5.5	0.5	0.5	1.0	0.5	5.5	11.5	13.0	20.0	21.5	20.0
10	12.5	5.5	1.5	0.5	0.5	0.5	7.0	13.5	12.0	20.0	21.5	20.0
11	12.5	5.0	2.5	0.5	0.5	0.5	8.5	15.5	11.5	20.0	21.5	17.5
12	12.0	4.0	3.0	0.5	1.0	0.5	8.5	14.0	12.5	20.0	21.0	17.0
13	12.0	3.0	2.0	0.5	1.0	0.5	9.0	14.0	14.5	20.0	20.0	17.0
14	12.0	3.0	2.5	0.5	1.0	0.5	9.5	15.5	15.5	20.0	19.5	17.5
15	11.0	4.0	2.5	0.5	1.0	1.0	10.0	16.0	16.0	20.0	19.0	18.0
16	11.0	3.5	1.5	0.5	0.0	1.5	10.0	16.5	16.0	20.0	20.5	18.5
17	11.0	2.5	1.0	0.5	1.0	1.5	10.0	16.0	14.5	19.0	20.0	18.5
18	11.5	2.5	1.0	0.5	1.0	2.0	9.0	15.5	12.0	20.0	20.0	17.0
19	11.5	3.0	0.5	0.5	1.0	2.0	9.0	14.5	11.0	22.0	19.0	15.0
20	11.5	2.5	0.5	0.5	1.0	2.5	11.5	13.5	11.0	22.5	18.5	14.0
21	12.0	2.0	0.0	0.5	0.5	5.0	12.5	12.5	12.0	22.0	19.5	13.5
22	11.5	2.0	0.0	0.5	0.5	5.5	12.5	10.5	13.5	21.5	19.5	13.5
23	11.5	3.0	0.0	0.5	1.0	4.5	12.5	10.0	14.5	22.0	19.5	13.5
24	10.5	2.5	0.0	0.5	1.0	4.0	13.0	10.5	15.5	22.5	19.0	13.5
25	11.0	1.5	0.5	0.5	0.5	4.5	13.0	12.0	14.5	22.5	18.0	13.5
26	10.5	0.5	0.5	0.5	0.5	5.0	10.5	12.5	13.5	22.5	19.0	14.0
27	10.0	0.5	0.0	0.5	0.5	3.5	9.5	13.0	14.0	22.5	18.5	14.0
28	10.0	0.5	0.0	0.5	0.5	3.0	8.5	12.5	15.5	21.5	18.5	13.5
29	9.0	0.5	0.5	0.5	---	3.0	8.5	11.5	16.0	21.0	18.5	13.5
30	7.5	0.5	0.5	0.5	---	3.0	10.0	11.0	16.5	21.0	19.0	13.5
31	6.5	---	0.5	1.0	---	3.5	---	12.0	---	20.0	19.0	---
MONTH	11.5	3.5	1.0	0.5	1.0	2.0	8.5	12.5	14.0	20.5	20.0	16.5

YEAR MAX 22.5 MIN 0.0 MEAN 9.5

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306405
HELL'S HOLE CAN AT MOUTH NR WATSON UT

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	1.0	---	---	---	---	0.0	0.0
2	---	---	---	---	---	4.5	---	---	---	---	0.0	0.0
3	---	---	---	---	---	---	---	---	---	---	0.0	0.0
4	---	---	---	---	---	---	---	---	---	---	0.0	0.0
5	---	---	---	---	---	---	---	---	---	---	0.0	0.0
6	---	---	---	---	---	---	---	---	---	---	0.0	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	0.0
8	---	---	---	---	---	---	---	---	---	---	0.0	0.0
9	---	---	---	---	---	---	---	---	---	---	0.0	0.0
10	---	---	---	---	---	---	---	---	---	0.0	0.0	19.5
11	---	---	---	---	---	---	---	---	---	0.0	0.0	19.0
12	---	---	---	---	---	---	---	---	---	0.0	19.0	20.0
13	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
14	---	---	---	---	---	---	---	---	---	0.0	17.0	16.5
15	---	---	---	---	---	---	---	---	---	0.0	17.5	16.5
16	---	---	---	---	---	---	---	---	---	20.0	---	16.5
17	---	---	---	---	---	---	---	---	---	20.5	---	17.5
18	---	---	---	---	---	---	---	---	---	0.0	---	0.0
19	---	---	---	---	---	---	---	---	---	0.0	---	0.0
20	---	---	---	---	---	---	---	---	---	0.0	---	0.0
21	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
22	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
23	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
24	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
25	---	---	---	---	---	---	---	---	---	0.0	0.0	17.5
26	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
27	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
28	---	---	---	---	3.0	---	---	---	---	0.0	0.0	0.0
29	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
30	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
31	---	---	---	---	---	---	---	---	---	0.0	0.0	---
MONTH	---	---	---	---	---	---	---	---	---	---	2.0	5.0

YEAR MAX 20.5 MIN 0.0 MEAN 3.0

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306415
EVACUATION CR BLW PARK CAN NR WATSON UT

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	7.5	0.0	0.5	1.5	0.0	2.5	8.0	16.5	18.0	18.0	17.0
2	14.0	7.0	0.0	0.5	0.5	0.5	2.5	8.5	17.5	19.0	16.0	16.5
3	13.5	5.5	0.0	0.5	0.5	0.5	2.5	9.0	17.5	20.0	16.5	15.5
4	13.5	6.0	0.0	0.5	1.0	1.5	3.0	9.0	18.0	20.0	17.0	15.5
5	13.5	3.5	0.5	0.5	1.0	2.5	3.0	6.0	18.0	20.5	17.0	15.0
6	13.0	4.0	1.0	0.5	0.5	3.0	4.0	7.0	18.0	21.5	18.0	15.0
7	13.0	3.5	0.5	0.0	1.0	4.0	4.0	7.0	18.0	21.5	19.5	15.5
8	13.0	4.0	0.0	0.0	2.0	5.5	8.5	10.0	19.0	17.0	18.5	15.5
9	12.5	6.5	0.0	0.5	2.0	5.5	4.5	10.0	16.0	18.5	19.0	17.0
10	12.5	4.0	0.0	0.5	2.0	4.5	4.5	11.0	17.0	18.5	18.0	15.0
11	12.5	3.0	0.0	0.5	2.0	3.5	9.0	11.0	17.0	19.5	19.5	16.5
12	11.5	2.5	0.0	0.0	2.0	4.0	7.0	10.0	17.0	21.5	18.0	17.0
13	10.5	4.5	0.0	0.0	2.0	4.5	7.0	11.0	17.0	19.5	16.5	15.0
14	10.0	4.5	0.0	0.5	2.5	3.5	7.0	13.0	18.0	17.0	13.5	14.5
15	9.0	4.5	0.0	0.5	3.0	4.0	7.0	12.0	18.0	19.5	14.5	14.0
16	9.5	3.0	0.5	0.5	2.5	4.0	8.0	12.0	18.0	17.5	15.0	15.5
17	10.0	2.5	0.0	0.5	2.5	3.5	7.0	13.0	17.0	16.0	14.5	15.5
18	10.0	3.0	0.0	1.0	2.0	3.5	7.0	13.0	16.0	17.0	15.0	12.5
19	10.0	3.5	0.0	1.0	1.5	4.0	7.0	13.0	17.0	17.5	16.5	11.0
20	10.0	2.0	0.0	1.0	2.0	5.0	9.0	11.5	16.0	18.0	16.5	9.5
21	11.0	2.0	0.0	1.0	1.0	5.5	9.5	8.5	16.0	18.0	18.0	10.0
22	11.0	4.0	0.0	0.5	1.0	5.0	10.0	9.0	19.0	17.5	17.0	10.0
23	10.5	4.5	0.0	0.5	1.0	3.5	11.0	10.5	19.0	21.5	16.0	10.0
24	9.5	1.5	0.0	1.0	1.5	3.0	11.5	12.5	18.5	20.0	14.0	10.0
25	9.0	1.0	0.0	2.0	2.0	4.0	10.5	12.5	13.5	19.5	12.0	10.0
26	8.5	0.5	0.0	2.0	2.5	4.0	6.0	11.0	14.5	20.0	15.0	10.0
27	9.0	0.0	0.0	1.5	3.0	2.5	7.0	12.0	15.5	20.5	14.5	10.0
28	9.5	0.0	0.5	1.0	3.5	2.0	6.5	10.5	16.5	19.5	17.0	9.5
29	8.0	0.0	0.0	0.5	---	2.0	6.5	8.5	17.0	19.5	15.5	9.5
30	6.5	0.0	0.0	0.5	---	2.0	8.5	11.5	17.5	18.5	16.0	10.0
31	7.0	---	0.0	1.0	---	3.0	---	15.5	---	18.0	16.0	---
MONTH	11.0	3.5	0.0	0.5	2.0	3.5	6.5	10.5	17.0	19.0	16.5	13.5
YEAR	MAX	21.5	MIN	0.0	MEAN	8.5						

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306420
EVACUATION CREEK AT WATSON UTAH

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	7.5	1.5	1.5	1.0	0.5	2.5	6.5	13.5	15.0	17.0	16.0
2	14.0	7.5	2.0	1.5	1.0	0.5	2.5	7.5	14.0	15.5	15.5	16.0
3	13.5	7.5	2.0	1.5	0.5	1.0	3.0	8.0	14.5	16.5	15.0	15.0
4	13.5	7.0	1.5	1.5	0.0	1.0	3.0	8.5	16.0	17.0	16.5	16.0
5	13.5	5.5	1.5	1.0	1.0	1.0	3.5	6.0	15.5	17.5	17.0	16.0
6	13.0	5.0	2.0	1.0	1.0	1.5	4.0	7.0	16.5	17.5	18.0	15.0
7	13.0	5.0	2.0	1.5	1.0	2.0	4.0	7.0	16.5	18.0	18.0	16.0
8	13.0	5.0	1.5	1.0	1.0	2.5	4.0	8.5	15.0	17.5	16.0	16.0
9	12.5	6.5	1.0	1.0	0.5	3.0	5.0	9.0	13.5	17.0	17.0	15.0
10	12.5	5.5	1.5	1.0	0.5	3.5	4.5	9.0	12.5	19.5	17.0	15.0
11	12.5	5.0	1.5	1.0	0.5	3.5	5.0	10.0	13.0	18.5	19.0	15.0
12	11.5	4.5	1.5	0.5	0.5	3.0	5.5	9.5	13.5	18.5	18.0	15.0
13	10.5	5.0	1.5	0.5	1.0	3.0	6.0	10.0	14.0	18.0	16.0	15.0
14	10.0	5.5	1.5	0.0	1.0	2.5	6.5	13.0	14.5	18.0	15.0	15.0
15	9.0	5.5	1.5	0.0	1.0	3.0	6.5	11.5	14.5	20.0	15.0	15.0
16	9.5	5.0	1.5	0.0	1.0	4.0	7.5	11.5	15.0	17.5	16.0	15.0
17	10.0	4.5	1.5	0.5	1.0	4.0	7.0	12.5	14.0	15.5	16.0	14.0
18	9.5	5.0	1.5	0.5	1.0	3.5	6.0	12.0	12.5	17.0	16.0	14.0
19	9.5	5.0	1.5	1.0	1.0	4.5	5.5	12.5	11.0	17.0	16.0	14.0
20	10.0	4.0	1.5	1.0	1.0	5.5	7.5	11.5	12.0	17.5	16.0	14.0
21	10.5	4.0	1.5	1.0	0.5	6.0	7.5	8.5	11.5	17.5	17.0	14.0
22	10.0	4.5	1.5	1.0	0.5	5.0	9.0	9.0	14.5	19.0	17.0	14.0
23	10.5	5.0	1.5	1.0	0.5	4.0	10.5	10.5	15.0	17.5	17.0	14.0
24	0.0	3.5	1.0	1.0	0.5	3.5	9.5	12.5	15.0	16.5	15.0	14.0
25	9.0	3.0	1.0	1.5	0.5	4.5	9.5	12.5	12.0	17.0	15.0	13.0
26	8.5	2.5	1.5	1.5	1.0	4.5	5.5	11.5	12.5	17.5	16.0	13.0
27	9.0	2.5	1.5	1.0	1.0	3.0	6.0	12.0	14.0	17.5	15.0	13.0
28	9.0	2.5	1.0	1.0	1.0	2.5	5.5	10.0	15.0	17.5	16.0	13.0
29	8.0	2.0	1.0	1.0	---	2.0	5.5	10.0	15.0	17.5	15.0	13.0
30	6.5	1.5	1.5	1.0	---	2.5	7.0	14.0	15.0	18.0	16.0	13.0
31	6.5	---	1.5	1.0	---	3.0	---	13.5	---	17.5	15.0	---
MONTH	10.5	4.5	1.5	1.0	1.0	3.0	6.0	10.0	14.0	17.5	16.5	14.5

YEAR MAX 20.0 MIN 0.0 MEAN 8.5

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306430
EVACUATION CR NR MOUTH NR WATSON UT

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	8.0	0.5	0.0	3.0	1.0	4.0	9.0	15.0	14.0	17.5	15.5
2	14.0	7.5	0.5	0.0	1.5	1.0	2.5	9.5	14.5	14.5	16.5	16.0
3	13.5	7.0	0.0	0.0	1.5	1.0	3.5	10.0	15.0	15.5	16.0	15.0
4	13.5	6.5	0.0	0.0	2.0	1.0	5.5	9.0	15.0	16.0	16.5	16.0
5	13.5	5.5	2.0	0.0	2.5	1.0	5.0	7.5	14.5	16.0	17.0	15.5
6	13.0	5.0	2.5	0.0	1.0	1.0	5.5	7.0	14.5	16.5	18.0	15.0
7	13.0	6.0	1.5	0.0	2.0	2.0	5.0	7.5	14.5	17.5	17.5	16.0
8	13.0	5.0	0.5	0.0	2.5	3.0	4.0	10.0	15.0	20.0	16.0	16.0
9	12.5	7.0	0.0	0.0	3.5	3.5	5.0	10.5	12.5	21.5	17.0	17.5
10	12.5	6.0	0.0	0.0	4.0	4.0	7.0	11.5	13.0	20.0	16.5	15.5
11	12.5	4.5	0.0	0.0	2.5	4.5	7.5	12.0	13.0	18.5	18.5	15.5
12	11.5	5.0	0.0	0.0	2.5	3.5	7.5	10.5	12.5	18.0	18.0	16.0
13	10.5	4.5	0.0	0.0	3.5	4.5	8.0	12.0	12.5	17.5	15.5	15.0
14	10.0	4.5	0.0	0.0	4.5	5.0	8.0	13.0	14.0	16.0	15.0	15.5
15	9.0	5.5	0.0	0.0	4.5	5.5	8.5	12.5	13.5	19.0	15.0	15.0
16	9.5	4.5	0.0	0.0	4.0	5.5	8.5	12.5	14.0	17.5	15.5	15.5
17	10.0	3.5	0.0	0.0	4.5	5.5	8.0	13.5	13.0	18.0	15.5	15.0
18	10.0	4.0	0.0	0.0	3.0	5.0	7.5	13.0	11.5	18.0	15.5	13.0
19	10.0	5.0	0.0	0.0	2.5	6.0	8.0	13.0	12.0	17.0	15.5	12.0
20	10.0	3.0	0.0	0.0	4.0	6.5	9.5	11.5	11.0	17.0	16.0	10.5
21	11.0	2.5	0.0	0.0	2.5	7.5	10.0	8.5	12.0	16.5	16.5	11.0
22	11.0	4.0	0.5	0.0	1.5	5.5	10.0	9.0	14.5	17.0	16.5	11.0
23	10.5	5.0	0.0	0.0	2.0	4.0	10.5	10.0	14.5	16.5	16.5	11.0
24	9.5	3.0	0.0	0.0	2.0	4.5	10.5	12.5	13.5	16.0	15.0	11.5
25	9.0	2.0	0.0	0.0	3.0	6.0	9.5	12.0	11.5	17.0	14.5	12.0
26	8.5	2.0	0.0	1.0	3.5	5.0	6.5	11.0	12.0	17.0	16.0	11.5
27	9.0	1.5	0.5	2.0	4.5	3.0	8.0	11.5	13.0	17.0	14.5	12.0
28	9.5	2.5	0.0	2.5	3.0	2.0	7.0	10.5	13.5	17.5	15.5	11.0
29	8.0	1.0	0.5	0.5	---	2.0	7.0	9.5	13.5	16.5	15.0	11.5
30	6.5	0.5	0.5	1.0	---	3.5	9.0	13.0	13.5	17.5	15.5	11.0
31	7.0	---	0.5	2.5	---	4.0	---	15.0	---	17.0	15.0	---
MONTH	11.0	4.5	0.5	0.5	3.0	4.0	7.0	11.0	13.5	17.5	16.0	14.0

YEAR MAX 21.5 MIN 0.0 MEAN 8.5

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306500
WHITE RIVER NEAR WATSON UTAH

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	7.0	0.0	0.0	1.0	0.0	2.5	10.5	14.0	16.5	21.5	19.0
2	14.0	7.0	0.0	0.0	1.0	0.0	3.0	11.5	15.0	16.5	20.5	19.5
3	13.5	7.0	0.0	0.0	1.0	0.0	4.0	12.5	15.5	17.0	21.0	19.0
4	13.5	6.5	0.0	0.0	0.5	0.0	6.0	12.0	16.0	17.5	22.0	19.5
5	13.5	5.5	0.0	0.0	0.0	0.0	7.5	9.5	15.5	18.0	22.0	19.5
6	13.0	5.0	0.0	0.0	0.0	0.0	8.5	9.0	16.0	18.5	22.5	19.0
7	13.0	4.5	0.0	0.0	0.0	0.0	6.5	8.5	16.0	19.0	22.5	19.5
8	13.0	4.5	0.0	0.0	0.0	0.0	5.0	9.5	15.5	19.5	21.5	19.5
9	12.5	6.0	0.0	0.0	0.0	0.0	5.5	11.5	14.5	20.0	21.5	20.0
10	12.5	6.0	0.0	0.0	0.0	0.0	6.5	13.0	13.0	20.0	21.5	19.5
11	12.5	5.0	0.0	0.0	0.0	0.0	8.0	15.0	12.5	20.0	22.0	18.0
12	12.0	4.0	0.0	0.0	0.0	0.0	8.0	14.0	12.5	20.0	21.0	18.0
13	12.0	3.0	0.0	0.0	0.0	0.0	9.0	14.5	14.0	20.5	20.5	18.0
14	12.0	3.5	0.0	0.0	0.0	0.5	9.5	16.0	15.5	20.5	19.5	18.0
15	11.0	3.5	0.0	0.0	0.0	1.0	9.5	17.0	16.0	20.5	19.5	18.0
16	11.0	3.0	0.0	0.0	0.0	1.0	10.0	16.5	16.0	20.5	20.5	18.0
17	11.0	2.5	0.0	0.0	0.0	1.5	10.0	16.0	15.5	19.5	20.0	18.5
18	11.5	3.0	0.0	0.0	0.0	2.0	9.0	15.5	13.5	19.5	20.5	16.5
19	11.5	3.0	0.0	0.0	0.0	2.5	9.0	14.5	12.0	20.5	19.5	15.0
20	11.5	2.5	0.0	0.0	0.0	3.0	11.0	13.0	11.5	22.0	19.0	14.0
21	12.0	2.0	0.0	0.0	0.0	7.5	12.0	12.0	12.0	22.0	19.5	13.5
22	11.5	2.5	0.0	0.5	0.0	6.5	12.5	11.0	12.5	22.0	20.0	13.0
23	11.5	3.0	0.0	1.0	0.0	4.0	12.5	10.5	14.0	22.5	19.5	13.0
24	10.5	2.5	0.0	1.0	0.0	4.0	13.0	11.0	14.5	23.0	19.0	13.5
25	11.0	2.0	0.0	1.0	0.0	5.0	13.0	12.5	15.0	23.0	18.0	13.5
26	10.5	1.0	0.0	1.0	0.0	4.5	10.5	13.0	13.5	23.0	19.0	13.5
27	10.0	0.5	0.0	1.0	0.0	2.0	9.5	13.5	14.0	23.5	18.5	14.0
28	10.0	1.0	0.0	1.0	0.0	0.5	8.5	13.0	14.5	23.0	18.5	13.5
29	9.0	0.0	0.0	1.0	---	0.5	8.0	12.0	15.5	22.5	18.5	13.0
30	7.5	0.0	0.0	1.0	---	2.0	9.5	11.0	16.0	22.0	19.0	13.0
31	7.0	---	0.0	0.5	---	3.5	---	12.0	---	22.0	19.0	---
MONTH	11.5	3.5	0.0	0.5	0.0	1.5	8.5	12.5	14.5	20.5	20.0	16.5

YEAR MAX 23.5 MIN 0.0 MEAN 9.0

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306600
WHITE R ABV SOUTHAM CAN NR WATSON UT

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	7.0	0.0	0.5	0.0	0.0	3.0	10.0	15.5	17.0	21.5	19.0
2	14.0	7.0	0.0	0.5	0.0	0.0	3.5	10.5	16.5	17.5	20.5	19.5
3	13.5	7.0	0.0	0.5	0.0	0.0	3.5	11.5	16.5	18.0	21.0	19.0
4	13.5	6.5	1.0	0.5	0.0	0.0	4.0	11.5	16.0	18.5	21.5	19.5
5	13.5	5.5	2.0	0.5	0.0	0.0	4.5	10.0	16.0	19.0	22.0	19.5
6	13.0	5.0	0.5	0.5	0.0	0.0	4.5	9.5	16.5	19.5	22.5	19.5
7	13.0	4.5	0.0	0.5	0.0	0.0	4.5	8.5	16.5	20.0	22.5	19.5
8	13.0	4.5	0.5	0.5	0.0	0.0	6.0	10.0	15.0	20.0	22.0	19.5
9	12.5	6.0	0.5	0.5	0.0	0.0	5.5	12.0	13.5	20.5	22.0	20.0
10	12.5	5.5	0.5	0.5	0.0	0.5	5.5	14.0	12.5	20.5	22.0	19.0
11	12.5	4.5	0.5	0.5	0.0	0.5	8.0	16.0	12.0	20.5	22.0	19.0
12	12.0	4.0	0.5	0.5	0.0	1.0	8.5	14.0	12.5	21.0	21.5	17.0
13	12.0	3.5	0.5	0.5	0.0	1.0	9.0	15.0	15.5	20.5	20.0	17.0
14	12.5	3.5	0.5	0.5	0.0	1.0	9.5	16.5	16.5	21.0	19.5	18.0
15	11.0	4.0	0.5	0.5	0.0	1.0	9.5	17.0	17.0	21.0	19.5	18.0
16	11.0	3.5	0.5	0.5	0.0	1.5	10.0	16.5	16.5	20.0	20.5	18.0
17	11.0	3.0	0.5	0.5	0.0	1.5	10.0	16.5	14.5	19.0	20.5	18.0
18	11.5	3.0	0.5	0.5	0.0	2.0	9.0	15.5	12.0	20.5	20.5	17.0
19	11.5	3.5	0.5	0.0	0.0	2.5	9.0	13.5	11.0	22.0	19.5	15.0
20	11.5	2.5	0.5	0.0	0.0	3.0	10.5	12.0	11.0	22.5	19.0	15.0
21	11.5	2.5	0.5	0.0	0.0	4.0	11.5	10.5	12.0	22.0	19.5	14.0
22	11.5	3.0	0.5	0.0	0.0	5.5	12.0	9.5	13.5	22.0	20.0	14.0
23	11.5	3.5	0.5	0.0	0.0	4.5	12.0	10.0	14.5	22.5	20.0	13.0
24	10.5	3.0	0.5	0.0	0.0	4.0	13.0	12.0	15.5	23.0	19.0	14.0
25	11.0	2.0	1.0	0.0	0.0	4.5	13.0	13.5	14.5	23.0	18.0	14.0
26	10.5	1.5	1.0	0.0	0.0	5.0	10.5	14.0	13.5	23.0	19.0	14.0
27	10.0	0.5	1.0	0.0	0.0	4.0	9.5	13.5	14.0	23.5	18.5	14.0
28	10.0	1.0	0.5	0.0	0.0	3.5	8.5	12.5	15.5	23.5	18.5	14.0
29	9.0	0.5	0.5	0.0	---	3.0	8.5	11.0	16.5	22.5	19.0	13.0
30	7.5	0.0	0.5	0.0	---	2.5	9.5	11.0	16.5	22.0	19.0	13.0
31	7.0	---	0.5	0.0	---	3.5	---	13.5	---	22.0	19.5	---
MONTH	11.5	3.5	0.5	0.0	0.0	2.0	8.0	12.5	14.5	21.0	20.5	17.0

YEAR MAX 23.5 MIN 0.0 MEAN 9.5

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306605
SOUTHAM CAN WASH NR WATSON UT

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	0.0	---	---	---	---	---	0.0
2	---	---	---	---	---	---	---	---	---	---	---	0.0
3	---	---	---	---	---	---	---	---	---	---	---	0.0
4	---	---	---	---	---	---	---	---	---	---	---	0.0
5	---	---	---	---	---	---	---	---	---	---	0.0	0.0
6	---	---	---	---	---	---	---	---	---	---	0.0	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	0.0
8	---	---	---	---	---	---	---	---	---	---	0.0	0.0
9	---	---	---	---	---	---	---	---	---	---	0.0	0.0
10	---	---	---	---	---	---	---	---	---	---	0.0	0.0
11	---	---	---	---	---	---	---	---	---	---	0.0	0.0
12	---	---	---	---	---	---	---	---	---	---	0.0	0.0
13	---	---	---	---	---	---	---	---	---	---	0.0	0.0
14	---	---	---	---	---	---	---	---	---	---	0.0	0.0
15	---	---	---	---	---	---	---	---	---	---	0.0	0.0
16	---	---	---	---	---	---	---	---	---	---	0.0	0.0
17	---	---	---	---	---	---	---	---	---	---	0.0	0.0
18	---	---	---	---	---	---	---	---	---	---	0.0	0.0
19	---	---	---	---	---	---	---	---	---	---	0.0	0.0
20	---	---	---	---	---	---	---	---	---	---	0.0	0.0
21	---	---	---	---	---	---	---	---	---	---	0.0	0.0
22	---	---	---	---	---	---	---	---	---	---	0.0	0.0
23	---	---	---	---	---	---	---	---	---	---	0.0	0.0
24	---	---	---	---	---	---	---	---	---	---	0.0	0.0
25	---	---	---	---	---	---	---	---	---	---	0.0	0.0
26	---	---	---	---	---	---	---	---	---	---	0.0	0.0
27	---	---	---	---	---	---	---	---	---	---	0.0	0.0
28	---	---	---	---	0.0	---	---	---	---	---	0.0	0.0
29	---	---	---	---	---	---	---	---	---	---	0.0	0.0
30	---	---	---	---	---	---	---	---	---	---	0.0	0.0
31	---	---	---	---	---	---	---	---	---	---	0.0	---
MONTH	---	---	---	---	---	---	---	---	---	---	0.0	0.0

YEAR MAX 0.0 MIN 0.0 MEAN 0.0

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306610
SOUTHAM CAN WASH AT MOUTH NR WATSON UT

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	0.0	---	---	---	---	---	0.0
2	---	---	---	---	---	0.0	---	---	---	---	---	0.0
3	---	---	---	---	---	---	---	---	---	---	---	0.0
4	---	---	---	---	---	---	---	---	---	---	---	0.0
5	---	---	---	---	---	---	---	---	---	---	0.0	0.0
6	---	---	---	---	---	---	---	---	---	---	0.0	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	0.0
8	---	---	---	---	---	---	4.0	---	---	---	0.0	0.0
9	---	---	---	---	---	---	---	---	---	---	0.0	0.0
10	---	---	---	---	---	---	---	---	---	---	0.0	0.0
11	---	---	---	---	---	---	---	---	---	---	0.0	0.0
12	---	---	---	---	---	---	---	---	---	---	0.0	0.0
13	---	---	---	---	---	---	---	---	---	---	0.0	0.0
14	---	---	---	---	---	---	---	---	---	---	0.0	0.0
15	---	---	---	---	---	---	---	---	---	---	0.0	0.0
16	---	---	---	---	---	---	---	---	---	---	0.0	0.0
17	---	---	---	---	---	---	---	---	---	---	0.0	0.0
18	---	---	---	---	---	---	---	---	---	---	0.0	0.0
19	---	---	---	---	---	---	---	---	---	---	0.0	0.0
20	---	---	---	---	---	---	---	---	---	---	0.0	0.0
21	---	---	---	---	---	---	---	---	---	---	0.0	0.0
22	---	---	---	---	---	---	---	---	---	---	0.0	0.0
23	---	---	---	---	---	---	---	---	---	---	0.0	0.0
24	---	---	---	---	---	---	---	---	---	---	0.0	0.0
25	---	---	---	---	---	---	---	---	---	---	0.0	0.0
26	---	---	---	---	---	---	---	---	---	---	0.0	0.0
27	---	---	---	---	---	---	---	---	---	---	0.0	0.0
28	---	---	---	---	0.0	---	---	---	---	---	0.0	0.0
29	---	---	---	---	---	---	---	---	---	---	0.0	0.0
30	---	---	---	---	---	---	---	---	---	---	0.0	0.0
31	---	---	---	---	---	---	---	---	---	---	0.0	---
MONTH	---	---	---	---	---	---	---	---	---	---	0.0	0.0

YEAR MAX 4.0 MIN 0.0 MEAN 0.0

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306620
ASPHALT WASH BLW CENTER FORK NR WATSON UT

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	0.0
2	---	---	---	---	---	---	---	---	---	---	---	0.0
3	---	---	---	---	---	---	---	---	---	---	---	0.0
4	---	---	---	---	---	---	---	---	---	---	---	0.0
5	---	---	---	---	---	---	---	---	---	---	0.0	0.0
6	---	---	---	---	---	---	---	---	---	---	0.0	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	0.0
8	---	---	---	---	---	---	---	---	---	---	0.0	0.0
9	---	---	---	---	---	---	---	---	---	---	0.0	0.0
10	---	---	---	---	---	---	---	---	---	---	0.0	0.0
11	---	---	---	---	---	---	---	---	---	---	0.0	0.0
12	---	---	---	---	---	---	---	---	---	---	19.0	0.0
13	---	---	---	---	---	---	---	---	---	---	0.0	0.0
14	---	---	---	---	---	---	---	---	---	---	0.0	0.0
15	---	---	---	---	---	---	---	---	---	20.0	0.0	0.0
16	---	---	---	---	---	---	---	---	---	---	0.0	0.0
17	---	---	---	---	---	---	---	---	---	---	0.0	0.0
18	---	---	---	---	---	---	---	---	---	---	0.0	0.0
19	---	---	---	---	---	---	---	---	---	---	0.0	0.0
20	---	---	---	---	---	---	---	---	---	---	0.0	0.0
21	---	---	---	---	---	---	---	---	---	---	0.0	0.0
22	---	---	---	---	---	---	---	---	---	---	0.0	0.0
23	---	---	---	---	---	---	---	---	---	---	0.0	0.0
24	0.0	---	---	---	---	---	---	---	---	---	0.0	0.0
25	---	---	---	---	---	---	---	---	---	---	0.0	0.0
26	---	---	---	---	---	---	---	---	---	---	0.0	0.0
27	---	---	---	---	0.5	---	---	---	---	---	0.0	0.0
28	---	---	---	---	0.5	---	---	---	---	---	0.0	0.0
29	---	---	---	---	---	---	---	---	---	---	0.0	0.0
30	---	---	---	---	---	---	---	---	---	---	0.0	0.0
31	---	---	---	---	---	---	---	---	---	---	0.0	---
MONTH	---	---	---	---	---	---	---	---	---	---	0.5	0.0

YEAR MAX 20.0 MIN 0.0 MEAN 0.5

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306625
ASPHALT WASH AT MOUTH NR WATSON UT

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	4.5	---	---	---	---	---	0.0
2	---	---	---	---	---	---	---	---	---	---	---	0.0
3	---	---	---	---	---	---	---	---	---	---	---	0.0
4	---	---	---	---	---	---	---	---	---	---	---	0.0
5	---	---	---	---	---	---	---	---	---	---	---	0.0
6	---	---	---	---	---	---	---	---	---	---	---	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	0.0
8	---	---	---	---	---	---	---	---	---	---	0.0	0.0
9	---	---	---	---	---	---	---	---	---	---	0.0	0.0
10	---	---	---	---	---	---	---	---	---	---	0.0	0.0
11	---	---	---	---	---	---	---	---	---	---	0.0	0.0
12	---	---	---	---	---	---	---	---	---	---	20.0	0.0
13	---	---	---	---	---	---	---	---	---	---	19.0	0.0
14	---	---	---	---	---	---	---	---	---	---	17.5	0.0
15	---	---	---	---	---	---	---	---	---	20.0	17.0	0.0
16	---	---	---	---	---	---	---	---	---	20.0	0.0	0.0
17	---	---	---	---	---	---	---	---	---	---	0.0	0.0
18	---	---	---	---	---	---	---	---	---	---	0.0	0.0
19	---	---	---	---	---	---	---	---	---	---	0.0	0.0
20	---	---	---	---	---	---	---	---	---	---	0.0	0.0
21	---	---	---	---	---	---	---	---	---	---	0.0	0.0
22	---	---	---	---	---	---	---	---	---	---	0.0	0.0
23	---	---	---	---	---	---	---	---	---	---	0.0	0.0
24	---	---	---	---	---	---	---	---	---	---	0.0	0.0
25	---	---	---	---	---	---	---	---	---	---	0.0	0.0
26	---	---	---	---	---	---	---	---	---	---	0.0	0.0
27	---	---	---	---	---	---	---	---	---	---	0.0	0.0
28	---	---	---	---	---	---	---	---	---	---	0.0	0.0
29	---	---	---	---	---	---	---	---	---	---	0.0	0.0
30	---	---	---	---	---	---	---	---	---	---	0.0	0.0
31	---	---	---	---	---	---	---	---	---	---	0.0	---
MONTH	---	---	---	---	---	---	---	---	---	---	3.0	0.0

YEAR MAX 20.0 MIN 0.0 MEAN 2.0

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306700
WHITE R BLW ASPHALT WASH NR WATSON UT

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	7.0	1.0	0.5	0.5	0.5	2.5	11.0	15.5	17.0	21.5	18.5
2	14.0	7.0	1.5	0.5	0.5	0.5	3.5	12.0	16.0	18.0	20.0	19.0
3	13.5	7.0	1.0	0.5	0.5	0.5	4.5	13.0	10.5	18.0	20.0	18.5
4	13.5	6.5	0.5	0.5	0.5	0.5	6.5	12.0	13.5	19.0	20.5	19.0
5	13.5	5.5	0.5	0.5	0.5	0.5	7.5	9.5	16.0	19.0	20.5	19.0
6	13.0	5.0	0.5	0.5	0.5	0.0	8.5	9.0	16.5	20.0	21.0	18.5
7	13.0	5.0	0.5	0.5	0.5	0.0	7.0	8.5	16.5	20.0	10.5	19.0
8	13.0	4.5	0.5	0.5	0.5	0.0	5.0	9.5	15.0	21.0	21.5	19.0
9	12.5	5.5	0.5	0.5	0.5	0.0	6.0	11.5	13.5	20.5	21.5	19.5
10	12.5	5.5	1.0	0.5	0.5	0.5	6.5	13.0	12.5	20.5	22.0	19.5
11	12.5	4.5	1.5	0.5	0.5	0.5	8.0	15.0	12.0	20.5	21.5	18.5
12	12.0	4.0	2.0	0.5	0.5	1.0	8.5	14.0	12.5	21.0	21.0	17.0
13	12.0	4.0	2.0	0.5	0.5	1.5	9.0	15.0	15.0	20.5	20.0	17.0
14	12.0	4.0	1.5	0.5	0.5	1.0	9.5	16.0	16.5	21.0	19.5	17.5
15	11.0	4.0	1.5	0.5	0.5	1.5	9.5	16.0	17.0	21.0	19.5	17.5
16	11.0	3.5	1.5	0.5	0.5	1.5	10.0	16.5	16.5	20.5	20.0	17.5
17	11.0	3.0	0.5	0.5	0.5	2.0	10.0	16.0	14.5	19.0	20.0	17.5
18	11.5	3.0	0.5	0.5	0.5	2.5	9.5	15.5	12.0	20.5	20.0	16.5
19	11.5	3.5	0.5	0.5	0.5	3.0	9.0	14.0	11.0	21.5	19.0	15.0
20	11.5	2.5	0.5	0.5	0.5	4.0	11.0	12.5	11.0	22.5	19.0	14.5
21	12.0	2.0	0.5	0.5	0.5	5.0	12.5	11.5	11.5	22.0	19.0	13.5
22	12.0	3.0	0.5	0.5	0.5	6.0	12.5	10.0	13.5	21.5	19.5	14.0
23	12.0	3.5	0.0	0.5	0.5	4.5	12.5	10.0	14.5	22.0	19.5	13.0
24	11.0	2.5	0.5	0.5	0.5	4.5	13.0	10.5	15.0	22.5	19.0	13.5
25	10.0	2.0	0.5	0.5	0.5	5.5	13.0	12.5	14.5	22.0	17.5	13.5
26	10.0	1.5	0.5	0.5	0.5	5.0	10.5	13.0	13.5	22.5	18.5	13.5
27	10.0	1.0	0.5	0.5	0.5	3.0	9.5	13.5	14.0	23.0	18.0	13.5
28	10.5	1.0	0.5	0.5	0.5	1.0	8.5	13.0	15.0	22.5	18.0	13.5
29	9.5	0.5	0.5	0.5	---	1.0	8.5	11.5	16.0	22.5	18.5	13.0
30	8.0	0.5	0.5	0.5	---	2.0	10.0	11.0	17.0	21.5	19.0	13.0
31	7.5	---	0.5	0.5	---	4.0	---	13.5	---	21.5	19.0	---
MONTH	11.5	3.5	0.5	0.5	0.5	2.0	8.5	12.5	14.5	21.0	19.5	16.5

YEAR MAX 23.0 MIN 0.0 MEAN 9.5

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306400
WHITE RIVER ABV HELLS HOLE CANYON NR WATSON

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	750	775	920	990	843	807	984	751	460	270	650	728
2	750	765	920	930	870	830	971	777	410	250	650	745
3	750	753	940	900	855	872	945	776	420	270	650	762
4	750	761	990	880	828	833	942	782	400	260	650	759
5	750	767	900	880	828	819	972	778	370	270	665	754
6	750	764	878	900	859	818	989	761	390	300	681	755
7	750	761	823	910	864	842	1010	708	430	300	673	762
8	750	759	794	910	844	838	1000	709	470	300	708	771
9	750	771	797	900	827	868	964	733	380	400	722	780
10	750	778	839	890	840	847	946	747	300	493	704	803
11	750	780	856	850	836	871	930	746	320	587	655	782
12	750	778	907	830	816	916	942	748	350	577	578	777
13	750	762	961	830	814	922	950	698	360	555	700	828
14	770	794	998	840	810	950	948	627	300	540	761	880
15	770	797	967	850	822	937	940	613	290	540	723	838
16	760	814	873	870	832	925	944	574	310	550	732	812
17	760	801	848	900	814	904	933	530	300	543	722	771
18	750	790	839	890	814	913	924	470	310	562	719	744
19	760	791	836	860	826	912	892	460	310	576	719	747
20	750	809	837	830	834	924	850	420	320	585	727	740
21	750	812	812	800	853	984	874	310	330	591	732	730
22	760	800	803	800	885	978	898	300	350	600	734	734
23	790	810	815	810	881	997	887	280	370	609	727	739
24	780	825	838	820	855	998	880	290	370	613	736	733
25	760	807	871	830	875	978	849	310	370	634	734	728
26	750	803	886	844	912	972	821	330	340	600	725	721
27	780	812	934	826	892	1000	773	340	300	674	726	709
28	780	816	949	795	839	999	723	320	310	679	727	713
29	780	832	998	806	---	993	687	370	320	688	743	699
30	810	857	972	814	---	980	701	470	320	705	739	690
31	800	---	1020	830	---	983	---	480	---	700	731	---
MONTH	762	791	891	859	845	916	902	555	353	510	705	758

YEAR MAX 1020 MIN 250 MEAN 737

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306405
HELL'S HOLE CAN AT MOUTH NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	361	---	---	---	---	0	0
2	---	---	---	---	---	415	---	---	---	---	0	0
3	---	---	---	---	---	---	---	---	---	---	0	0
4	---	---	---	---	---	---	---	---	---	---	0	0
5	---	---	---	---	---	---	---	---	---	---	0	0
6	---	---	---	---	---	---	---	---	---	---	0	0
7	---	---	---	---	---	---	---	---	---	---	0	0
8	---	---	---	---	---	---	---	---	---	---	0	0
9	---	---	---	---	---	---	---	---	---	---	0	1980
10	---	---	---	---	---	---	---	---	---	0	0	2830
11	---	---	---	---	---	---	---	---	---	0	0	4000
12	---	---	---	---	---	---	---	---	---	0	400	4000
13	---	---	---	---	---	---	---	---	---	0	0	0
14	---	---	---	---	---	---	---	---	---	0	400	4000
15	---	---	---	---	---	---	---	---	---	0	400	4000
16	---	---	---	---	---	---	---	---	---	400	0	4000
17	---	---	---	---	---	---	---	---	---	400	0	4000
18	---	---	---	---	---	---	---	---	---	0	0	0
19	---	---	---	---	---	---	---	---	---	0	0	0
20	---	---	---	---	---	---	---	---	---	0	0	0
21	---	---	---	---	---	---	---	---	---	0	0	0
22	---	---	---	---	---	---	---	---	---	0	0	0
23	---	---	---	---	---	---	---	---	---	0	0	0
24	---	---	---	---	---	---	---	---	---	0	0	0
25	---	---	---	---	---	---	---	---	---	0	0	0
26	---	---	---	---	---	---	---	---	---	0	0	0
27	---	---	---	---	---	---	---	---	---	0	0	0
28	---	---	---	---	323	---	---	---	---	0	0	0
29	---	---	---	---	---	---	---	---	---	0	0	0
30	---	---	---	---	---	---	---	---	---	0	0	0
31	0	---	---	---	---	---	---	---	---	0	0	---
MONTH	---	---	---	---	---	---	---	---	---	---	39	960

YEAR MAX 4000 MIN 0 MEAN 367

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306415
EVACUATION CR BLW PARK CAN NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4500	4500	4840	8150	4550	1520	4670	4200	3320	4500	2470	3140
2	4500	4500	4740	9710	4560	1630	4890	4280	3460	4480	2680	3120
3	4500	4500	4680	9740	4560	1550	4980	4370	3460	4450	2790	3090
4	4500	4570	4610	9730	4560	2520	4090	4490	3610	4450	2760	3060
5	4500	4560	4550	9260	4530	3080	3340	4150	3820	4430	2530	3040
6	4500	4560	4510	9350	4550	3140	3210	3550	3960	4420	3300	3020
7	4500	4580	4560	7460	4550	3090	3190	3870	4260	4420	4050	3030
8	4500	4570	4630	5670	4530	3110	3520	3810	3170	2010	3880	3030
9	4500	4580	4710	5900	4540	3150	4430	4140	3030	1750	3790	3210
10	4500	4640	4900	4580	4550	3270	4450	4150	2900	1770	3640	3000
11	4500	4600	4810	4530	4550	3440	4460	4330	2620	2800	2960	1230
12	4500	4560	4800	4560	4530	3610	4380	4520	3350	4530	2960	2790
13	4500	4560	4630	4590	4510	3840	4350	4420	3540	3670	2960	2970
14	4500	4540	4620	4620	4510	4240	4460	4420	3560	759	2000	1640
15	4500	4620	4610	4630	4500	4380	4380	4460	3590	1560	2000	824
16	4500	4580	4590	4640	4540	4460	4150	4490	3640	2500	2000	1740
17	4500	4500	4640	4640	4560	4480	3930	4500	3700	1420	2000	2800
18	4500	4580	4680	4600	4570	4480	3980	4360	3860	1430	3000	3000
19	4500	4660	4640	4510	4570	4580	4200	3770	3360	1450	3000	3050
20	4500	4550	4670	4500	4590	4610	4150	3790	3330	1470	3000	3000
21	4500	4390	4600	4510	4620	4670	4150	2940	3280	1500	3470	2990
22	4500	4400	4660	4520	4600	4760	3920	3110	3180	1510	3390	2970
23	4500	4440	5100	4530	4600	4830	3790	2860	3460	3500	3150	2980
24	4500	4540	5140	4520	4590	4830	3840	2500	4000	4360	3140	2990
25	4500	4420	5060	4450	4600	4810	3950	2540	4290	4330	3270	2980
26	4500	4380	5340	4320	4580	4230	3800	2560	4160	4320	3270	3010
27	4500	4430	6770	4530	4520	3390	3930	2600	4210	4260	3150	3050
28	4500	4500	7930	4470	4160	3440	4170	2130	4360	4260	3140	3000
29	4500	4720	9270	4470	---	3810	4140	1730	4440	4260	3170	2990
30	4500	4760	6420	4540	---	4440	4150	2340	4480	3570	3150	3020
31	4500	---	5760	4530	---	4770	---	3140	---	3190	3160	---
MONTH	4500	4540	5140	5640	4540	3750	4100	3630	3650	3140	3010	2790

YEAR MAX 9740 MIN 759 MEAN 4030

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306417
THIMBLE ROCK CAN NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

YEAR MAX --- MIN --- MEAN ---

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306420
EVACUATION CREEK AT WATSON UTAH

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5400	5710	6320	7100	5600	3830	3620	4100	3420	5010	4070	5310
2	5400	5760	6370	7460	5600	1440	3480	4130	3540	4940	4180	5330
3	5400	5800	6390	7260	5800	1600	3450	4270	3530	4950	4240	5330
4	5400	5770	6380	5260	5800	1570	3290	4580	3990	5020	4560	5320
5	5400	3890	6100	4510	6200	1650	3070	4710	4280	5010	5200	5260
6	5400	2930	5550	4190	6480	1710	2980	4150	4470	5070	5210	5280
7	5400	3170	5580	4120	6470	1720	3050	4200	4730	5080	5190	5270
8	5400	4500	5950	4720	5760	1700	3120	3750	3830	5410	5300	5220
9	5400	4620	6130	6990	6220	1730	3710	3460	3240	5510	5200	5410
10	5400	4440	6230	7120	5990	1820	4760	3440	3040	4880	5360	2510
11	5400	4610	6280	5460	5990	1960	4810	3440	2950	4380	4000	1220
12	5400	4780	6220	5600	6100	3500	4770	3550	2920	4850	4000	1570
13	5400	5000	6050	5600	6000	3880	4770	3490	2930	4870	3240	1450
14	5400	5750	6000	5600	5820	5040	4800	4010	2950	3070	1940	1900
15	5400	5810	6030	5600	5760	5150	4720	4670	3110	2380	2710	1410
16	5400	5810	6170	5800	5790	5220	4620	4800	3220	3120	2800	1170
17	5400	5850	6050	5800	5790	5050	4420	4830	3290	1710	2590	1210
18	5400	5800	6070	5800	5970	5170	4270	4950	3380	1240	2520	3370
19	5400	5800	6000	5800	6000	5170	4570	4840	3350	1250	3870	5240
20	5400	5930	5920	5800	5880	5180	4500	4840	3790	1310	5230	5250
21	5400	6020	5770	6000	5930	5190	4550	4830	4170	1420	5270	5250
22	5400	5810	5700	6000	6090	5400	4460	4710	3810	2790	5280	5260
23	5400	5430	6130	6000	6190	5790	4300	3960	3600	4570	5270	5250
24	5400	5950	6250	6000	5870	5370	4060	2890	4060	4590	5280	5250
25	5400	5950	6410	6350	5670	4690	4070	2930	4710	4670	5340	5270
26	5400	5960	6720	6210	5920	4540	4130	2980	4510	4790	5310	5290
27	5400	6040	6900	6310	5900	3850	4060	3060	4620	4780	5310	5290
28	5400	5820	7080	6310	5660	3780	4160	3040	4980	4740	5330	5290
29	5400	6170	7140	6660	---	3690	4170	2450	5120	4820	5330	5290
30	5400	6290	7080	5320	---	3560	4090	2640	5140	5070	5320	5290
31	5640	---	7070	5400	---	3610	---	3350	---	4010	5310	---
MONTH	5410	5370	6260	5880	5940	3660	4090	3900	3820	4040	4510	4230

YEAR MAX 7460 MIN 1170 MEAN 4750

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306425
EVACUATION CR TRIBUTARY NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	0	---
16	---	---	---	---	---	---	---	---	---	---	0	---
17	---	---	---	---	---	---	---	---	---	---	0	---
18	---	---	---	---	---	---	---	---	---	---	0	---
19	---	---	---	---	---	---	---	---	---	---	0	---
20	---	---	---	---	---	---	---	---	---	---	0	---
21	---	---	---	---	---	---	---	---	---	---	0	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

YEAR MAX 0 MIN 0 MEAN 0

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306430
EVACUATION CR NR MOUTH NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4600	4560	5360	4700	4800	2570	4430	4260	2100	3080	2300	3160
2	4600	4520	5510	4700	4870	1700	4380	4220	2790	3040	2450	3100
3	4600	4570	5160	4700	4890	1580	4420	4080	3810	3000	2630	3040
4	4600	4540	4260	4700	4860	2370	4350	4060	3870	2990	3390	3000
5	4600	4590	4650	4700	4820	3200	2330	4040	3860	2950	4230	2960
6	4600	4600	4870	4700	5020	3350	2750	3930	3860	2940	4230	2920
7	4600	4600	4720	4700	4820	2100	2990	2410	3860	3190	4230	2890
8	4600	4580	4910	4700	4760	1800	2960	4490	3940	3410	4230	2810
9	4600	4520	5200	4700	4700	2000	3760	4580	3830	3280	4210	---
10	4600	4590	5490	4700	4680	3660	4500	4540	3380	2810	4220	---
11	4670	4660	4800	4700	4780	4120	4460	4320	3280	2220	4630	---
12	4530	4660	4700	4700	4760	4250	4390	4240	3210	2140	3050	---
13	4450	4570	4700	4700	4630	4270	4240	4220	3100	2120	2600	---
14	4460	4600	4700	4700	4540	4290	4190	4150	2970	1950	1900	---
15	4520	4560	4700	4700	4570	4250	4260	4130	2950	1360	1970	---
16	4520	4590	4700	4700	4650	4230	4450	4120	2880	1480	2020	---
17	4510	4620	4700	4700	4630	4260	4490	4150	2880	1280	2080	---
18	4490	4590	4700	4700	4820	4330	4350	4210	2920	767	3050	---
19	4490	4610	4700	4700	4750	4230	4490	4720	3240	766	4450	---
20	4470	4710	4900	4700	4710	4170	4460	4410	3300	765	4290	---
21	4510	4670	4700	4700	4910	4200	4410	3250	3210	767	4150	---
22	4760	4590	4730	4700	5020	4270	4480	3390	3130	1110	4000	---
23	4570	4640	5000	4700	4890	4470	4410	3400	3160	2060	3810	---
24	4300	4700	5180	4700	4850	4400	4420	3430	3180	2470	3720	---
25	4540	4790	4660	4700	4710	4250	4490	3610	3230	3170	3720	---
26	4530	4730	5100	4700	4660	4440	4230	3680	3190	4070	3600	---
27	4510	4860	5970	4580	4530	4820	4090	3680	3160	4080	3480	---
28	4510	4740	5040	4800	3860	3500	4320	3560	3130	4060	3430	---
29	4510	5020	4890	5170	---	3530	4190	3290	3130	4090	3360	---
30	4560	5190	4820	5030	---	4440	4140	2790	3110	4100	3120	---
31	4570	---	4870	4770	---	4380	---	2170	---	4130	3200	---
MONTH	4550	4660	4920	4730	4730	3660	4130	3860	3260	2570	3410	---

YEAR MAX 5970 MIN 765 MEAN 4010

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306500
WHITE RIVER NEAR WATSON UTAH

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	750	800	916	986	850	817	960	723	460	270	700	776
2	750	790	923	929	868	861	980	726	410	250	700	791
3	750	790	937	899	878	902	940	725	420	270	690	805
4	750	790	995	883	860	866	920	731	390	260	690	805
5	750	800	986	879	850	841	970	740	350	270	680	798
6	750	800	884	902	862	828	1010	733	390	300	679	796
7	750	790	829	911	875	839	1020	736	430	300	682	804
8	750	789	800	907	863	837	1030	746	470	684	705	819
9	750	806	808	898	842	836	1000	763	380	673	725	825
10	750	807	843	888	849	839	980	783	300	664	715	959
11	750	813	886	854	848	840	950	803	320	655	705	896
12	750	780	930	830	827	848	960	759	350	643	718	988
13	750	795	972	826	828	856	950	659	360	635	815	1080
14	770	812	1000	836	823	863	960	645	300	626	858	1150
15	770	829	996	852	828	867	960	599	290	619	907	1240
16	760	814	912	866	840	876	960	630	310	616	974	1410
17	760	809	865	895	823	885	960	530	300	612	1050	1000
18	750	810	852	890	821	901	960	470	310	603	1120	782
19	760	812	845	855	830	892	940	460	310	593	1140	779
20	750	826	847	827	840	882	890	420	320	583	1160	771
21	750	822	837	805	854	903	880	310	330	577	1210	761
22	760	809	818	805	886	927	900	300	350	562	1070	764
23	790	821	827	809	884	945	910	280	370	600	806	767
24	780	838	843	821	858	959	910	290	370	610	770	761
25	760	820	875	830	867	977	900	310	370	630	770	755
26	750	810	895	834	902	960	870	330	340	600	760	750
27	780	820	920	840	883	990	822	340	300	670	763	739
28	780	826	952	812	832	1000	780	320	310	680	767	739
29	780	833	982	806	---	990	730	370	320	690	770	726
30	810	863	1020	824	---	980	740	470	320	700	787	718
31	830	---	1030	840	---	970	---	480	---	646	781	---
MONTH	763	811	904	859	853	896	925	554	352	551	828	858

YEAR MAX 1410 MIN 250 MEAN 762

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306600
WHITE R ABV SOUTHAM CAN NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	750	798	920	1020	856	820	1000	782	460	309	691	745
2	750	793	960	981	876	860	1000	815	410	304	704	758
3	750	790	960	898	876	900	1000	811	420	298	687	773
4	750	794	990	878	858	860	1010	818	400	300	696	777
5	750	802	980	888	850	840	1010	817	521	310	701	773
6	750	801	874	950	860	830	1020	809	362	307	700	765
7	750	796	843	941	870	840	1020	746	347	314	701	771
8	750	784	818	916	860	840	1020	733	343	333	717	783
9	700	790	808	905	840	840	1020	755	405	387	730	788
10	750	808	801	915	840	840	1010	771	386	388	727	862
11	750	809	789	856	840	840	950	765	378	416	709	799
12	750	803	839	840	830	850	974	768	392	392	707	840
13	750	779	964	841	830	850	983	725	413	409	840	892
14	770	801	1010	849	830	860	979	659	402	470	989	855
15	768	822	985	870	830	870	974	629	372	484	1100	755
16	757	823	903	890	840	880	978	617	336	476	1210	723
17	757	813	864	920	830	890	977	513	326	606	1310	785
18	753	808	855	891	830	900	974	456	324	594	1370	765
19	759	800	851	839	830	890	943	373	337	590	1420	762
20	753	829	851	823	840	880	897	395	347	580	1120	755
21	753	829	841	817	850	900	908	310	362	580	749	745
22	765	764	828	821	880	930	937	300	373	560	751	744
23	793	812	837	824	880	945	933	280	380	600	744	747
24	783	835	851	836	860	960	929	290	387	610	756	745
25	760	823	880	837	860	980	908	310	385	585	753	733
26	748	828	877	843	900	990	872	330	359	594	745	736
27	777	831	767	855	880	1010	827	340	334	606	752	723
28	775	826	927	822	830	1020	777	320	349	613	744	729
29	780	840	966	825	---	1020	732	370	334	635	756	739
30	814	880	1020	831	---	1020	735	470	319	624	758	---
31	829	---	1040	839	---	970	---	480	---	646	754	---
MONTH	761	810	894	873	852	901	943	566	375	481	842	771

YEAR MAX 1420 MIN 280 MEAN 755

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306605
SOUTHAM CAN WASH NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	165	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	0	---
6	---	---	---	---	---	---	---	---	---	---	0	---
7	---	---	---	---	---	---	---	---	---	---	0	---
8	---	---	---	---	---	---	---	---	---	---	0	---
9	---	---	---	---	---	---	---	---	---	---	0	---
10	---	---	---	---	---	---	---	---	---	---	0	---
11	---	---	---	---	---	---	---	---	---	---	0	---
12	---	---	---	---	---	---	---	---	---	---	0	---
13	---	---	---	---	---	---	---	---	---	---	0	---
14	---	---	---	---	---	---	---	---	---	---	0	---
15	---	---	---	---	---	---	---	---	---	---	0	---
16	---	---	---	---	---	---	---	---	---	---	0	---
17	---	---	---	---	---	---	---	---	---	---	0	---
18	---	---	---	---	---	---	---	---	---	---	0	---
19	---	---	---	---	---	---	---	---	---	---	0	---
20	---	---	---	---	---	---	---	---	---	---	0	---
21	---	---	---	---	---	---	---	---	---	---	0	---
22	---	---	---	---	---	---	---	---	---	---	0	---
23	---	---	---	---	---	---	---	---	---	---	0	---
24	---	---	---	---	---	---	---	---	---	---	0	---
25	---	---	---	---	---	---	---	---	---	---	0	---
26	---	---	---	---	---	---	---	---	---	---	0	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	136	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

YEAR MAX 165 MIN 0 MEAN 13

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306610
SOUTHAM CAN WASH AT MOUTH NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	260	---	---	---	---	---	---
2	---	---	---	---	---	259	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	250	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	250	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

YEAR MAX 260 MIN 250 MEAN 255

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306620
ASPHALT WASH BLW CENTER FORK NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	0
2	---	---	---	---	---	---	---	---	---	---	---	0
3	---	---	---	---	---	---	---	---	---	---	---	0
4	---	---	---	---	---	---	---	---	---	---	---	0
5	---	---	---	---	---	---	---	---	---	---	0	0
6	---	---	---	---	---	---	---	---	---	---	0	0
7	---	---	---	---	---	---	---	---	---	---	0	0
8	---	---	---	---	---	---	---	---	---	---	0	0
9	---	---	---	---	---	---	---	---	---	---	0	0
10	---	---	---	---	---	---	---	---	---	---	0	0
11	---	---	---	---	---	---	---	---	---	---	0	1360
12	---	---	---	---	---	---	---	---	---	---	300	1370
13	---	---	---	---	---	---	---	---	---	---	0	1420
14	---	---	---	---	---	---	---	---	---	---	0	1460
15	---	---	---	---	---	---	---	---	---	250	0	1520
16	---	---	---	---	---	---	---	---	---	---	0	1570
17	---	---	---	---	---	---	---	---	---	---	0	1610
18	---	---	---	---	---	---	---	---	---	---	0	1670
19	---	---	---	---	---	---	---	---	---	---	0	1770
20	---	---	---	---	---	---	---	---	---	---	0	1810
21	---	---	---	---	---	---	---	---	---	---	0	1840
22	---	---	---	---	---	---	---	---	---	---	0	1830
23	---	---	---	---	---	---	---	---	---	---	0	1730
24	---	---	---	---	---	---	---	---	---	---	0	1590
25	---	---	---	---	---	---	---	---	---	---	0	1440
26	---	---	---	---	---	---	---	---	---	---	0	1360
27	---	---	---	---	148	---	---	---	---	---	0	1340
28	---	---	---	---	150	---	---	---	---	---	0	1350
29	---	---	---	---	---	---	---	---	---	---	0	1320
30	---	---	---	---	---	---	---	---	---	---	0	1340
31	---	---	---	---	---	---	---	---	---	---	0	---
MONTH	---	---	---	---	---	---	---	---	---	---	11	1020

YEAR MAX 1840 MIN 0 MEAN 526

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306625
ASPHALT WASH AT MOUTH NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	148	---	---	---	---	---	0
2	---	---	---	---	---	---	---	---	---	---	---	0
3	---	---	---	---	---	---	---	---	---	---	---	0
4	---	---	---	---	---	---	---	---	---	---	---	0
5	---	---	---	---	---	---	---	---	---	---	---	0
6	---	---	---	---	---	---	---	---	---	---	---	0
7	---	---	---	---	---	---	---	---	---	---	---	0
8	---	---	---	---	---	---	---	---	---	---	---	0
9	---	---	---	---	---	---	---	---	---	---	---	0
10	---	---	---	---	---	---	---	---	---	---	---	1240
11	---	---	---	---	---	---	---	---	---	---	---	0
12	---	---	---	---	---	---	---	---	---	---	300	0
13	---	---	---	---	---	---	---	---	---	---	300	0
14	---	---	---	---	---	---	---	---	---	---	300	0
15	---	---	---	---	---	---	---	---	---	200	300	0
16	---	---	---	---	---	---	---	---	---	200	0	0
17	---	---	---	---	---	---	---	---	---	---	0	0
18	---	---	---	---	---	---	---	---	---	---	0	0
19	---	---	---	---	---	---	---	---	---	---	0	0
20	---	---	---	---	---	---	---	---	---	---	0	0
21	---	---	---	---	---	---	---	---	---	---	0	0
22	---	---	---	---	---	---	---	---	---	---	0	0
23	---	---	---	---	---	---	---	---	---	---	0	0
24	---	---	---	---	---	---	---	---	---	---	0	0
25	---	---	---	---	---	---	---	---	---	---	0	0
26	---	---	---	---	---	---	---	---	---	---	0	0
27	---	---	---	---	---	---	---	---	---	---	0	0
28	---	---	---	---	---	---	---	---	---	---	0	0
29	---	---	---	---	---	---	---	---	---	---	0	0
30	---	---	---	---	---	---	---	---	---	---	0	0
31	---	---	---	---	---	---	---	---	---	---	0	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	41

YEAR MAX 1240 MIN 0 MEAN 56

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

09306700
WHITE R BLW ASPHALT WASH NR WATSON UT

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	750	800	920	1020	860	812	959	763	458	267	1000	750
2	750	790	963	952	880	829	982	780	407	247	1130	760
3	750	790	965	888	880	883	941	780	424	267	1180	770
4	750	790	991	891	860	867	920	820	389	260	1160	780
5	750	800	975	894	850	823	974	820	354	269	1250	780
6	750	801	893	916	830	847	1010	810	386	294	1300	771
7	750	780	837	953	840	860	1020	750	432	304	1040	777
8	750	782	807	913	840	865	1030	730	465	322	720	787
9	750	802	812	884	840	848	996	760	378	339	731	798
10	750	801	847	864	840	868	975	770	304	360	731	---
11	750	799	896	828	840	887	952	760	316	424	716	---
12	750	787	949	812	830	921	955	770	353	483	707	---
13	750	786	979	823	820	953	953	720	358	410	764	---
14	770	799	1010	840	810	979	955	660	298	565	823	---
15	770	811	1020	894	812	992	956	630	287	590	1100	---
16	760	813	950	890	824	981	956	631	309	505	1200	---
17	760	799	855	920	825	969	958	531	303	450	1300	---
18	750	799	848	880	817	950	960	469	309	450	1400	---
19	760	800	846	840	820	923	935	459	311	421	1400	---
20	750	812	844	820	830	898	892	415	318	440	1100	---
21	750	828	831	820	846	957	880	309	331	455	752	---
22	760	817	819	820	867	973	901	296	345	465	756	---
23	790	799	837	820	893	992	911	283	367	517	750	---
24	780	828	850	820	875	996	914	292	372	572	760	---
25	760	813	884	824	860	980	902	313	374	587	750	---
26	750	801	910	836	888	965	866	328	337	601	750	---
27	780	807	925	838	902	992	822	335	295	646	750	---
28	780	817	939	804	861	1000	777	318	313	826	740	---
29	780	840	954	800	---	988	726	370	322	918	760	---
30	810	872	1000	815	---	983	736	467	---	839	760	---
31	830	---	1040	830	---	971	---	484	---	1020	750	---
MONTH	763	805	910	863	848	927	924	568	352	488	936	---

YEAR MAX 1400 MIN 247 MEAN 764

A. SURFACE HYDROLOGY

2. EVAPORATION AND PRECIPITATION DATA FOR WATER YEAR 1974-1975

STATION EVAP. - A2 WEST SOUTHAM CANYON SEASON TOTAL 74-75 39.220

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2									.242	.900		.780
3												
4											.872	
5								.965	.490			
6												
7												
8											1.500	
9									.620	2.260		3.750
10												
11												.247
12								1.140	.525		1.200	
13												
14											.455	
15								.525				
16										1.860		
17									1.650			
18										.295		
19								.805				
20												
21												
22								.415			2.275	
23										1.475		
24									1.040			2.200
25												
26									.850			
27								.875				
28											1.725	
[illegible]								.020		2.150		1.600
30									1.325			.100
31								.483		.436	1.170	
Tot.								5.228	6.742	9.376	9.197	8.677

STATION EVAP. - A6 EVACUATION RIDGE SEASON TOTAL 74-75 39.445

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2									.217	.875		.557
3												
4											1.200	
5								.640	.485			
6												
7											1.050	
8								.375				
9									.855	2.120		
10												4.100
11												
12								.875	.600		1.650	
13												
14											.360	
15								.600		1.800		.820
16									1.590			
17										.200		
18												
19								1.075	.595			
20												
21										1.100		
22								.458			1.895	
23												
24									.590	.900		2.200
25												
26									.835		1.300	
27								.925				
28										1.275		
29								.120				
30									1.325			1.290
31								.433		.740	1.393	
Tot.								5.528	7.092	9.010	8.848	8.967

STATION U241-00 P-1 SEASON TOTAL 74-75 9.86

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep
1			T				1.06					
2		.07										
3		.01	T									
4		.01							.22			
5					.10			.54				
6												
7				.01			.14	.05	.08			
8												
9										.15		
10				.18	.03	.06						
11	.34					.15						.13
12												
13			.09								.02	
14					.10						.09	
15												
16									T	.21		
17						.24				.23		
18									.02			
19								.45	.06			
20				T				.11				
21						.01		.75				
22	.26					.14						
23	.06	.18						.02	.24			
24	.17											
25						T						
26						.05						
27						.25	.32					
28				.52				.55				
29	.14		.02				.03	.34		T		
30	.04			T						.54		
31	.01		T	.23		T		.04				
Tot.	1.02	.27	.11	.94	.23	.90	1.55	2.85	.62	1.13	.11	.13

STATION ARP-1 SEASON TOTAL 74-75 8.90

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							.90					
2							.10		.10			
3												
4					.10				.10			
5								.30	.10			
6								.30				
7				*			.10					
8					.10				.10			
9										.10		
10				*		.20						
11												.30
12												
13												
14					.10						.10	
15											.10	
16							.10			.10	.05	
17						.10				.20		
18										.10		
19								.50	.10			
20				*T				.10				
21								.70				
22						.10			.10			
23												
24				.10								
25									.10			
26						.10	.40					
27				.10		.30	.10					
28				.30				.50				
29								.40		.10		
30				.20						.40		
31						T		.10				
Tot.	N.R.	N.R.	N.R.	.70	.30	.80	1.70	2.90	.70	1.00	.25	.30

*Estimated

STATION RS-1 WHITE RIVER ABOVE HELL'S HOLE CANYON SEASON TOTAL 74-75 9.70

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							.96					
2		.06										
3		.01	T									
4		.01							.16			
5					.21			.83				
6												
7				.01			*.10					
8												
9												
10				.17	.02	.07						
11	.32					.16						.16
12												
13			.09								.17	
14					.11							
15												
16									T	.28		
17						.40				.21		
18												
19					T			.15				
20				.01				.06				
21						.01		.84				
22	.21					.25						
23	.05	.15						.01	.20			
24	.22											
25						T						
26						.04						
27						.21	*.30					
28				.53				.55				
29	*.07		.03					.34		T		
30	.02			T						.55		
31			T	.32		T		.07				
Tot.	.89	.23	.12	1.04	.34	1.14	1.36**	2.85	.36	1.04	.17	.16

*Estimated **10% plus Estimate

STATION ARA-2 WEST SOUTHAM CANYON SEASON TOTAL 74-75 7.65

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							1.00					
2					.10		.10					
3									.10			
4									.10			
5					.10			.60	.10			
6												
7							.10					
8									.20			
9												
10						.10			.10			
11						.10						.30
12						.20						
13												
14											.20	
15					.10							
16										.30		
17						.10	.05			.30		
18												
19												
20								.10				
21								.60	.10			
22						.10						
23												
24									.10			
25						.10						
26							.10					
27						.30	.30					
28				.30				.40				
29							.10	.20				
30				.20						.20		
31								.10				
Tot.				.50	.30	1.00	1.75	2.00	.80	.80	.20	.30

STATION RS-2 EVACUATION CREEK AT MOUTH SEASON TOTAL 74-75 9.10

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							1.15					
2		.04										
3		.01										
4		T							.21			
5					.16			.60				
6												
7				.01			.11					
8										.13		
9									.13			
10				.18	.02	.08						
11	*.34					.18						.15
12												
13			.14								.01	
14					.12						.08	
15												
16									T	.16		
17						.38	.05			.19		
18							.08		.02			
19								.12				
20				.03								
21						.03		.11				
22	*.26					.17					.01	
23	*.06	.01						.01	.15			
24	*.17											
25						T						
26						.08						
27						.31	.31					
28				.51				.90				
29	.09		.02				.03	.32		T		
30	.04			T						.47		
31	.01		T	.28		T		T				
Tot.	**.97	.06	.16	1.01	.30	1.23	1.73	2.06	.38	.95	.10	.15

*Estimated **10% plus Estimate

STATION RS-3 WHITE RIVER NEAR WATSON SEASON TOTAL 74-75 9.18

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							1.00					
2		.03										
3		T	T									
4		T							.16			
5					.14			.66				
6												
7				T			.12	.03	.10			
8												
9										.27		
10				.17	.03	.06						
11	*.30					.14						.06
12												
13			.14								.01	
14					.07						.03	
15												
16									T	.10		
17						.26				.30		
18									.01			
19								.27	.15			
20				T				.10				
21						.01		.71				
22	*.24					.17						
23	*.06	.15						.01	.03			
24	*.15											
25						T						
26						.05						
27						.18	.34					
28				.52				.50				
29	.09		.02				.03	.33		T		
30	.04			T						.37		
31	.03		T	.26				.03				
Tot.	**.91	.18	.16	1.12	.24	.87	1.49	2.64	.43	1.04	.04	.06

*Estimated **10% plus Estimate

STATION RS-4 WHITE RIVER ABOVE SOUTHAM CANYON SEASON TOTAL 74-75 9.59

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							1.09					
2		.09										
3		.02	T									
4		.02							.20			
5					.07			.61				
6												
7				T			.13	.05				
8									.11			
9												
10				.07		.07						
11	.34					.18			.08			
12												
13			.08								.02	
14					.15							
15												
16									T	.41		
17						.20	.05			.30		
18									.01			
19								.19	.08			
20				T				.09				
21						T		.68				
22	.32					.07			.10			
23	.08	.14										
24									.10			
25						T						
26						.06						
27						.29	.34					
28				.50				.57				
29	.22		.02				.04	.47		T		
30	.06			T				.15		.42		
31	.02		T	.23								
Tot.	1.04	.27	.10	.80	.22	.87	1.65	2.81	.68	1.13	.02	0

STATION ARS-4 WHITE RIVER ABOVE SOUTHAM CANYON SEASON TOTAL 74-75 9.17

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							1.00	.10				
2							.20					
3									.10			
4									.10			
5					.10			.40				
6								.20				
7				T	.20		.10					
8									.10	.10		
9										.30		
10				.07		.10				.10		
11						.10			.10			.20
12						.10						
13												
14												
15					.10			.10				
16								.10	T	.10		
17						.10				.30		
18						.10	.10					
19								.10				
20				T				.10	.10			
21								.60				
22							.10	.10	.10			
23						.10		.10				
24									.10			
25												
26							.30					
27				.20		.40						
28				.30				.40				
29				T			.10	.40				
30										.40		
31				.30						.10		
Tot.				.87	.40	1.00	1.90	2.70	.70	1.40	0	.20

STATION ARA-4 SOUTHAM CANYON RIDGE SEASON TOTAL 74-75 10.20

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							1.00					
2							.10					
3							.10		.10			
4									.10			
5					.20			.20				
6					.10			.30				
7							.10					
8									.10			
9										.20		
10						.10						.10
11						.10			.10			.30
12						.10						
13											.10	
14					.10						.10	
15					.10							
16							.10			.10		
17						.40				.20		
18							.10	.10		.10	.10	
19								.20				
20								.10				
21								.70	.10			
22						.10			.60		.10	
23						.20		.20				
24												
25												
26						.10	.20					
27						.20	.10					
28				.20			.10	.50				
29				.30			.10	.30				
30				.10						.40		
31				.20						.10		
Tot.				.80	.50	1.30	2.00	2.60	1.10	1.10	.40	.40

STATION RS-6 EVACUATION CREEK AT WATSON SEASON TOTAL 74-75 10.32

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							.92					
2		.23	T									
3		.04										
4		.03							.13			
5					.26			.82				
6												
7			.04	.02			.05		.07			
8												
9									.04			
10				.18		.07						
11	*.35					.18						.58
12												
13			.05								.03	
14					.08						.17	
15												
16									T	.26		
17						.32	.05			.32		
18							.09					
19								.31	.09			
20				.04				.03				
21						.05		.80				
22	*.26					.11						
23	*.06	.13						.04				
24	*.18								.11			
25						T						
26						.08						
27						.20	.28					
28				.57				.66				
29	*.10		.09				.03	.35		T		
30	.06			T						.16		
31			T	.16		T		.04				
Tot.	**.95	.43	.18	.97	.34	1.06	1.42	3.05	.40	.74	.20	.58

*Estimated **10% plus Estimate

STATION RS-7 EVACUATION CREEK BELOW PARK CANYON SEASON TOTAL 74-75 11.38

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							1.00					
2		.08	T									
3		.01										
4		T										
5					.24			.83				
6												
7			.09	.02								
8												
9												
10				.17		.09						
11	* .52					.20						.63
12												
13			.10								.14	
14					.13						.30	
15												
16									T	.16		
17						.38	.05			.18		
18							.09					
19								.25	.65			
20				.08				.02				
21						.08		.76				
22	* .43					.09					.20	
23	* .10	.06						.04	.13			
24	* .22											
25						T						
26						.07						
27						.27	.22					
28				.53				.65				
29			.14					.33		T		
30	* .14			.01						.17		
31	* .07		.01	.19		T		.06				
Tot.	**1.48	.15	.34	1.00	.37	1.18	1.36	2.94	.78	.51	.64	.63

*Estimated **10% plus Estimate

STATION RS-8 EVACUATION TRIBUTARY SEASON TOTAL 74-75 10.0

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							.79					
2		.16	T									
3		.02										
4		.02										
5					.18			.63				
6												
7			.09	.02			.04					
8												
9									.04			
10				.20		.10						
11	*.35					.23						.37
12												
13			.06								.03	
14					.14						.20	
15												
16									T	.20		
17						.35	.06			.23		
18							.13					
19								.13	.11			
20				.34				.03				
21						.06		.79				
22	*.28					.13						
23	*.06	.16						.05				
24	*.18								.13			
25						T						
26						.08						
27						.27	.35					
28				.60				.63				
29	*.10		.14				.04	.36		T		
30	.07			T						.17		
31			T	.17		T		.05				
Tot.	**1.04	.36	.29	1.33	.33	1.16	1.41	2.67	.24	.60	.23	.37

*Estimated ** 10% plus Estimated

STATION ARA-8 JCT. WATSON & BAXTER SEASON TOTAL 74-75 8.50

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							.90				.10	
2												
3									.10			
4					.10				.10			
5					.10			.20				
6								.20				
7							.10					
8									.10			
9										.10		
10						.10						
11						.20						.20
12												
13					.10						.10	
14					.10						.10	.10
15											.20	
16										.10		
17						.40	.10			.50		
18								.10				
19								.10	.10			
20												
21								.90				
22									.30			
23												
24												
25											.10	
26						.10	.40					
27						.10	.10					
28				.30				.60				
29							.10	.40				
30				.20					.20			
31						T						
Tot.				.50	.40	.90	1.70	2.50	.70	.90	.60	.30

STATION R-S10 ASPHALT WASH: CENTER FORK SEASON TOTAL 74-75 9.12

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							1.22					
2		.09										
3		.02	T									
4		.02							.20			
5					.14			.61				
6												
7				.01			.17		.10			
8												
9												
10				.17	.01	.32	.01					
11	*.37					.21	T					.12
12												
13			.06								.02	
14					.13						.10	
15												
16									T	.40		
17						.28						
18												
19								T	T			
20				.02				.12				
21						T	.01	.62				
22	*.28					.23						
23	*.06	.15							T			
24	*.18											
25						T						
26						.06						
27						.35	.31					
28				.54				.40				
29	*.09		.07				T	.23				
30	.01			T						.30		
31	T		T	.26		T		.05				
Tot.	**.99	.28	.13	1.00	.28	1.45	1.72	2.03	.30	.70	.12	.12

STATION R-S9 SOUTHAM CANYON WASH SEASON TOTAL 74-75 10.59

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							1.35					
2		.09										
3		.02										
4		.02							.13			
5					.22			.62				
6												
7				.01			.16		.07			
8												
9										.17		
10				.16	.01	.18						
11	*.33					.27						.22
12												
13			.10								.01	
14					.11						.09	
15												
16									T	.25		
17						.34				.05		
18												
19								.24	.14			
20				.03				.08				
21						T	.01	.70				
22	*.26					.18					.02	
23	*.06	.20							.17			
24	*.17											
25						T						
26						.06						
27						.37	.39					
28				.54				.57				
29	*.09		.06				.01	.35		T		
30	*.06			T						.55		
31			T	.26		T		.04				
Tot.	**.97	.33	.16	1.00	.34	1.40	1.92	2.60	.51	1.02	.12	.22

*Estimated **10% plus Estimate

STATION R-S11 WHITE RIVER, BELOW ASPHALT WASH SEASON TOTAL 74-75 8.14

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							1.10					
2		.09										
3		.02										
4		.01							.03			
5					.09			.67				
6												
7				.02			.18		.13			
8												
9												
10				.22	.01	.15	T					
11	*.35					.13	T					.06
12												
13			.06								.01	
14					.14						.06	
15												
16									T	.14		
17						.31						
18												
19								.01	T			
20				.05				.13				
21						T	.01	.65				
22	*.26					.17						
23	*.06	.10							T			
24	*.17											
25						T						
26						.08						
27						.29	.31					
28				.54				.42				
29	*.09		.08				.01	.27				
30	T			T						.14		
31	T		T	.27		T		.05				
Tot.	**.93	.22	.14	1.10	.24	1.13	1.61	2.20	.16	.28	.07	.06

*Estimated **10% plus Estimate

STATION RS-12 ASHALT WASH: AT MOUTH SEASON TOTAL 74-75 8.87

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							1.20					
2		.09										
3		.02	T									
4		.02							.11			
5					.14			.65				
6												
7				.03			.17		.11			
8												
9												
10				.24	.01	.13	T					
11	*.37					.20	T					.03
12												
13			.07								.01	
14					.13						.09	
15												
16									T	.24		
17						.35						
18												
19								.05	T			
20				.01				.13				
21						T	.01	.65				
22	*.28					.22						
23	*.06	.15							T			
24	*.18											
25						T						
26						.07	.20					
27						.33	.11					
28				.54				.42				
29	*.09		.08				.02	.27				
30	.01			T						.16		
31	T		T	.28								
Tot.	**.99	.28	.15	1.10	.28	1.30	1.71	2.31	.22	.40	.10	.03

*Estimated **10% plus Estimate

STATION APS-12 ASPHALT WASH AT MOUTH SEASON TOTAL 74-75 7.80

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1							.90					
2							.30					
3												
4									.10	.20		
5								.40				
6								.30				
7						.10	.10					
8									.20			
9								.10	.10			
10						.10						
11									.10			
12						.10				.10		
13												
14										.30	.10	
15												
16										.10		
17						.10				.40		
18						.10				.10		
19							.10					
20								.10				
21								.70				
22						.10						
23						.10		.10				
24												
25												
26						.10	.20					
27						.30	.10					
28				.50				.50				
29								.30				
30				T			.10					
31				.10								
Tot.				.60	N.R.	1.10	1.80	2.50	.50	1.20	.10	0

STATION RS-13 SOUTHAM CANYON WASH; AT MOUTH SEASON TOTAL 74-75 8.57

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							1.10					
2												
3												
4									.10			
5					.13			.69				
6												
7				.02			.15		.06			
8												
9										.12		
10				.20	.01	.10						
11	*.32					.19						.01
12												
13			T								.02	
14					.11							
15												
16									T	.52		
17						.24				.17		
18												
19								.09	T			
20				.04				.09				
21						T	.01	.63				
22	*.25					.14					.01	
23	*.06	.17							.01			
24	*.17											
25						T						
26						.06						
27						.30	.32					
28				.50				.45				
29	*.09		.10				.02	.27		T		
30	.01			T						.20		
31	T		T	.28				.04				
Tot.	**.90	.17	.10	1.04	.25	1.03	1.60	2.26	.17	1.01	.03	.01

*Estimated **10% plus Estimate

STATION RS-15 EVACUATION CREEK, THIMBLE CANYON SEASON TOTAL 74-75 9.69

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep
1							1.04					
2		*.10										
3		*.01										
4		* T										
5					*.24			.31				
6												
7			*.09	.04			.05					
8				T								
9									.03			
10				.23		.08						
11	* .55					.22						.27
12												
13			*.11									
14					*.13							
15												
16									T			
17						.25						
18												
19								.33				
20				.05				.06				
21	* .44					T		1.00				
22	* .10					.05					.12	
23	* .23	*.07				.06		.09				
24												
25						T						
26						.04						
27						.23						
28				.58			.31	.71				
29			*.17					.35				
30	* .14			.02			T					
31	* .07		*.01	.15				.08				
Tot.	**1.53	**.18	**.38	1.07	*.37	.93	1.40	2.93	T	N.R.	** .12	.2

*Estimated **10% plus Estimate **.51

B. SURFACE WATER QUALITY DATA

09306400 - WHITE RIVER ABV HELLS HOLE CANYON NR WATSON DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	INSTANTANEOUS DISCHARGE (CFS) (00061)	STAGE (FT ABOVE DATUM) (00065)	TURBIDITY (JTU) (00070)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	DISSOLVED OXYGEN (MG/L) (00300)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)
AUG., 1974												
23...	0900	--	750592	18.0	--	290	--	--	3	900	6.0	8
SEP.												
17...	1530	--	--	18.0	--	--	--	--	7	890	--	13
OCT.												
09...	1300	--	751157	12.5	--	466	--	--	5	725	8.7	0
22...	1325	--	--	11.0	--	434	--	--	--	779	--	8
NOV.												
13...	1200	--	751759	3.5	--	409	--	--	5	770	--	10
21...	1030	--	--	1.9	--	439	--	20	--	794	--	0
DEC.												
05...	1100	--	751842	.0	--	349	--	20	8	875	--	8
17...	1530	--	--	3.4	--	384	--	10	--	846	--	6
JAN., 1975												
07...	1415	--	--	.0	1.0	313	--	6	8	825	11.1	7
21...	1240	--	--	.4	--	--	--	20	--	800	--	4
FEB.												
04...	1145	--	752441	.0	--	--	--	20	5	790	10.4	8
18...	1000	--	--	.2	--	400	--	20	--	780	--	4
MAR.												
04...	1130	--	752676	.0	-1.0	--	--	100	20	850	9.8	26
17...	1020	--	--	.1	--	--	--	400	--	927	--	32
APR.												
04...	1050	--	752938	5.0	5.0	415	--	68	15	890	9.0	12
04...	1055	--	752980	--	--	--	--	--	--	--	--	--
22...	1350	--	--	12.9	--	400	3.98	38	--	660	6.2	13
MAY												
06...	1200	--	753382	8.5	8.0	--	--	170	10	800	9.7	15
20...	1045	--	--	11.0	--	--	--	1200	--	480	6.0	140
JUNE												
05...	1500	--	753715	16.5	27.0	2347	--	540	25	365	8.7	61
23...	0915	--	--	12.9	--	2400	--	150	--	398	6.0	29
JULY												
10...	1500	--	--	20.0	--	2160	--	840	25	390	--	110
10...	1502	--	760081	--	--	--	--	--	--	--	--	--
14...	0730	.5	--	19.4	--	1620	--	96	--	431	--	24
AUG.												
05...	1300	--	760245	21.0	26.0	545	--	46	10	675	8.0	13
SEP.												
09...	1335	--	--	19.8	28.0	396	--	1	4	750	7.8	9

09306400 - WHITE RIVER ABV HELLS HOLE CANYON NR WATSON DISTRICT CODE 49

WATER QUALITY DATA

DATE	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
AUG., 1974												
28...	7.9	5.0	204	249	0	--	--	.10	.00	.00	.46	.00
SEP.												
17...	7.8	6.7	217	264	0	--	0	.01	.00	.00	.75	.00
OCT.												
09...	8.2	2.3	185	226	0	520	0	.03	.01	--	.42	.01
22...	--	--	185	225	0	--	0	.02	.00	.00	.24	.00
NOV.												
13...	8.3	1.9	192	234	0	520	0	.05	.00	.02	.03	.02
21...	--	--	200	244	0	--	1	.01	.00	.01	.29	.01
DEC.												
05...	8.4	1.8	228	266	6	630	1	.00	.00	.08	.11	.08
17...	--	--	209	255	0	--	--	.08	.00	.22	.22	.22
JAN., 1975												
07...	8.1	3.4	218	266	0	600	11	.07	.01	.50	.35	.51
21...	--	--	197	240	0	--	4	.03	.00	.27	.31	.27
FEB.												
04...	8.4	1.6	203	248	0	540	3	.10	.01	.27	.48	.28
18...	--	--	199	243	0	--	6	.08	.00	.19	.31	.19
MAR.												
04...	7.9	4.6	189	230	0	520	5	.29	.01	.29	1.0	.30
17...	--	--	195	238	0	--	9	.04	.01	.12	1.2	.13
APR.												
04...	8.5	1.2	195	193	22	600	2	.02	.00	.04	.39	.04
04...	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	206	251	0	--	1	.02	.00	.02	.26	.02
MAY												
06...	8.5	1.1	177	214	1	510	2	.02	.00	.04	.57	.04
20...	8.3	1.2	127	155	0	--	1	.01	.00	.36	4.9	.36
JUNE												
05...	8.0	2.3	119	145	0	220	0	.01	.00	.19	3.5	.19
23...	8.6	.6	126	154	0	--	1	.04	.01	.07	.75	.08
JULY												
10...	--	--	129	157	--	--	9	.00	.01	.11	3.7	.12
10...	--	--	--	--	--	310	--	--	--	--	--	--
14...	8.1	2.1	134	163	0	--	1	.04	.01	.04	4.1	.05
AUG.												
05...	8.4	1.5	193	235	0	--	0	.00	.00	.01	.41	.01
SEP.												
09...	8.4	1.4	182	222	0	--	0	.00	.01	.65	.67	.66

09306400 - WHITE RIVER ABV HELLS HOLE CANYON NR WATSON DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED ORTHO-PHOS-PHATE (PO4) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	CYANIDE (CN) (MG/L) (00720)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)
AUG., 1974												
28...	.00	.03	.00	--	--	--	.0	280	76	61	31	110
SEP.												
17...	.00	.13	.00	5.5	38	.00	.2	320	100	77	31	85
OCT.												
09...	.00	.05	.00	--	--	.00	.1	270	85	67	25	57
22...	.00	.09	.00	--	--	--	.1	260	77	65	24	62
NOV.												
13...	.09	.02	.03	--	--	.00	.0	270	73	65	25	65
21...	.03	.07	.01	--	--	--	.0	270	71	69	24	77
DEC.												
05...	.00	.04	.00	--	--	.00	.0	320	90	78	30	78
17...	.06	.05	.02	--	--	--	.1	290	80	73	26	68
JAN., 1975												
07...	.12	.01	.04	2.1	--	.00	2.5	320	110	83	28	71
21...	.09	.06	.03	--	--	--	.1	270	70	69	23	63
FEB.												
04...	.09	.08	.03	--	--	.00	.2	280	74	73	23	67
18...	.09	.04	.03	--	--	--	.0	270	71	67	25	69
MAR.												
04...	.06	.12	.02	--	--	.01	.2	270	80	63	27	84
17...	.09	.47	.03	--	--	--	.2	320	120	74	32	78
APR.												
04...	.00	.03	.00	3.7	--	.00	.2	310	110	73	30	76
04...	--	--	--	--	--	--	--	--	--	--	--	--
22...	.12	.17	.04	--	--	--	.3	310	110	72	32	83
MAY												
06...	.06	.16	.02	--	--	.00	.1	270	91	63	27	66
20...	.03	.46	.01	--	--	--	.0	170	45	41	17	30
JUNE												
05...	.09	.01	.03	--	--	.00	.1	150	29	38	13	21
23...	.03	.22	.01	--	--	--	.0	170	48	45	15	21
JULY												
10...	.06	.42	.02	39	--	.00	.0	160	30	42	13	23
10...	--	--	--	--	--	--	--	--	--	--	--	--
14...	.03	.28	.01	--	--	--	.1	170	39	46	14	28
AUG.												
05...	.09	.22	.03	--	--	.00	.1	270	80	66	26	53
SEP.												
09...	.00	.03	.00	--	--	.00	.0	260	82	61	27	72

PROCESS DATE [illegible]5/75

09306400 - WHITE RIVER ABV HELLS HOLE CANYON NR WATSON DISTRICT CODE 49

WATER QUALITY DATA

DATE	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)
AUG., 1974												
28...	2.9	46	3.8	68	210	.4	11	1	0	--	--	120
SEP.												
17...	2.1	36	3.2	59	190	.3	14	2	0	0	--	100
OCT.												
09...	1.5	31	1.9	32	160	.2	14	3	0	--	--	50
22...	1.7	34	2.3	34	170	.3	12	--	--	--	--	--
NOV.												
13...	1.7	35	.9	33	160	.3	13	2	0	--	--	70
21...	2.0	38	1.9	35	160	.2	12	--	--	--	--	--
DEC.												
05...	1.9	35	2.0	45	190	.3	14	1	<100	--	--	70
17...	1.7	34	1.4	41	160	.3	14	--	--	--	--	--
JAN., 1975												
07...	1.7	32	2.4	45	180	.3	17	1	59	<10	<10	60
21...	1.7	34	2.0	37	160	.2	15	--	--	--	--	--
FEB.												
04...	1.8	34	1.9	38	170	.2	16	4	<100	--	--	40
18...	1.8	36	1.9	38	160	.3	15	--	--	--	--	--
MAR.												
04...	2.2	40	3.3	41	180	.3	12	0	100	--	--	70
17...	1.9	35	4.0	45	210	.3	12	--	--	--	--	--
APR.												
04...	1.9	35	3.8	44	190	.2	13	1	<100	<10	--	70
04...	--	--	--	--	--	--	--	--	50	<1	<4	60
22...	2.0	37	2.1	42	210	.3	12	--	--	--	--	--
MAY												
06...	1.8	35	2.0	37	170	.2	12	1	0	--	--	40
20...	1.0	27	2.0	12	84	.2	11	--	--	--	--	--
JUNE												
05...	.8	23	1.4	8.3	59	.2	12	0	0	--	--	40
23...	.7	21	1.3	9.2	81	.2	13	--	--	--	--	--
JULY												
10...	.8	24	1.7	12	73	.2	13	1	100	0	--	60
10...	--	--	--	--	--	--	--	--	130	0	<2	30
14...	.9	26	1.6	13	69	.2	14	--	--	--	--	--
AUG.												
05...	1.4	30	2.0	25	150	.3	15	2	140	<1	<6	45
SEP.												
09...	1.9	37	2.5	37	190	.3	8.8	1	<200	--	--	80

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PROCESS DATE 11/05/75

09306400 - WHITE RIVER ABV HELLS HOLE CANYON NR WATSON DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)
AUG., 1974												
28...	0	0	0	1	20	1	0	5	<1	--	--	.8
SEP.												
17...	0	0	0	2	20	2	0	4	1	0	1100	.4
OCT.												
09...	<1	0	0	0	20	3	0	3	4	--	--	1.3
22...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	0	0	0	1	40	0	0	2	16	--	--	.0
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
05...	0	<10	1	1	10	1	0	0	11	--	--	3.0
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
07...	0	0	0	12	10	3	10	1	8	0	1000	5.1
21...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
04...	0	20	0	1	10	1	20	2	0	--	--	.0
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	2	0	0	20	40	2	20	3	3	--	--	2.0
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
04...	0	0	0	4	10	0	0	2	2	0	970	.8
04...	0	<4	<4	5	25	<4	2	<2	<4	0	820	<4.0
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
06...	0	0	0	2	30	0	0	3	0	--	--	1.8
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
05...	0	0	0	2	60	0	0	2	1	--	--	.8
23...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
10...	0	0	1	2	0	1	10	1	5	0	410	1.2
10...	<4	<2	<2	6	50	<2	4	4	3	0	390	2.0
14...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
05...	0	8	<2	5	3300	4	82	6	12	0	680	10
SEP.												
09...	0	0	0	3	0	0	0	2	1	--	--	1.5

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WATER QUALITY DATA

DATE	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	CHLORO-PHYLL A (UG/L) (32230)	CHLORO-PHYLL B (UG/L) (32231)
AUG., 1974												
28...	0	--	10	--	--	25	--	--	--	--	--	--
SEP.												
17...	20	--	10	--	--	25	1	--	--	--	4.3	5.7
OCT.												
09...	30	--	0	--	--	0	1	--	--	4.6	1.0	.6
22...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	180	--	20	--	--	0	1	--	--	2.5	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
05...	<10	--	0	--	--	<10	2	--	--	3.5	.8	.7
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
07...	10	<10	0	<5	<10	10	2	<8	<18	5.6	1.5	3.2
21...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
04...	20	--	0	--	--	10	1	--	--	2.8	1.9	2.7
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	20	--	10	--	--	30	1	--	--	5.6	4.4	5.3
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
04...	6	--	20	--	--	30	2	--	--	3.5	1.6	1.4
04...	10	<4	30	<2	<5	10	--	<4	<7	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
06...	8	--	<10	--	--	20	2	--	--	4.0	3.1	2.1
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
05...	0	--	30	--	--	0	1	--	--	3.4	13	2.3
23...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
10...	10	--	20	--	--	0	1	--	--	--	--	--
10...	12	<2	60	0	<2	5	--	7	<3	6.9	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
05...	30	<6	6000	<2	<4	20	1	600	30	--	.9	1.3
SEP.												
09...	0	--	40	--	--	10	1	--	--	--	1.4	1.5

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WATER QUALITY DATA

DATE	PHENOLS (UG/L) (32730)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	ALDRIN (UG/L) (39330)	LINDANE (UG/L) (39340)	CHLORDANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DIELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	TOXAPHENE (UG/L) (39400)	HEPTACHLOR (UG/L) (39410)
AUG., 1974												
28...	--	--	.00	.00	.0	.00	.00	.00	.00	.00	0	.00
SEP.												
17...	1	.0	--	--	--	--	--	--	--	--	--	--
OCT.												
09...	1	--	--	--	--	--	--	--	--	--	--	--
22...	1	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	0	--	--	--	--	--	--	--	--	--	--	--
21...	0	--	--	--	--	--	--	--	--	--	--	--
DEC.												
05...	1	--	--	--	--	--	--	--	--	--	--	--
17...	3	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
07...	0	--	--	--	--	--	--	--	--	--	--	--
21...	2	--	--	--	--	--	--	--	--	--	--	--
FEB.												
04...	10	--	--	--	--	--	--	--	--	--	--	--
18...	0	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	5	--	--	--	--	--	--	--	--	--	--	--
17...	5	--	--	--	--	--	--	--	--	--	--	--
APR.												
04...	4	.0	.00	.00	.0	.00	.00	.00	.00	.00	0	.00
04...	--	--	--	--	--	--	--	--	--	--	--	--
22...	5	--	--	--	--	--	--	--	--	--	--	--
MAY												
06...	4	--	--	--	--	--	--	--	--	--	--	--
20...	4	--	--	--	--	--	--	--	--	--	--	--
JUNE												
05...	4	--	--	--	--	--	--	--	--	--	--	--
23...	4	--	--	--	--	--	--	--	--	--	--	--
JULY												
10...	9	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
14...	4	--	--	--	--	--	--	--	--	--	--	--
AUG.												
05...	2	--	--	--	--	--	--	--	--	--	--	--
SEP.												
09...	1	--	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
AUG., 1974									
28...	.00	.0	.00	.00	.00	626	618	490	.85
SEP.									
17...	--	--	--	--	--	609	591	--	.83
OCT.									
09...	--	--	--	--	--	489	469	615	.67
22...	--	--	--	--	--	498	481	584	.68
NOV.									
13...	--	--	--	--	--	498	478	550	.68
21...	--	--	--	--	--	509	500	603	.69
DEC.									
05...	--	--	--	--	--	569	575	536	.77
17...	--	--	--	--	--	529	511	548	.72
JAN., 1975									
07...	--	--	--	--	--	573	564	484	.78
21...	--	--	--	--	--	498	489	--	.68
FEB.									
04...	--	--	--	--	--	534	513	--	.73
18...	--	--	--	--	--	514	497	555	.70
MAR.									
04...	--	--	--	--	--	546	526	--	.74
17...	--	--	--	--	--	575	574	--	.78
APR.									
04...	.00	.0	.00	.00	.00	570	549	639	.78
04...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	592	578	639	.81
MAY									
06...	--	--	--	--	--	499	484	--	.68
20...	--	--	--	--	--	310	275	--	.42
JUNE									
05...	--	--	--	--	--	228	226	1440	.31
23...	--	--	--	--	--	255	262	1650	.35
JULY									
10...	--	--	--	--	--	250	257	1460	.34
10...	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	279	267	1220	.38
AUG.									
05...	--	--	--	--	--	452	464	665	.61
SEP.									
09...	--	--	--	--	--	517	511	553	.70

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WATER QUALITY DATA

DATE	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	BROMIDE (BR) (MG/L) (71870)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
AUG., 1974							
28...	.13	.00	.00	.1	.0	--	--
SEP.							
17...	.01	.00	.00	.1	.0	--	--
OCT.							
09...	.04	--	.03	.1	.0	<7.1	3.7
22...	.03	.00	.00	.5	--	--	--
NOV.							
13...	.06	.09	.00	.1	.3	<4.1	2.0
21...	.01	.04	.00	.2	--	--	--
DEC.							
05...	.00	.35	.00	.1	<.1	6.8	2.8
17...	.10	.97	.00	.1	--	--	--
JAN., 1975							
07...	.09	2.2	.03	.1	.2	13	4.7
21...	.04	1.2	.00	.0	--	--	--
FEB.							
04...	.13	1.2	.03	.1	.0	<8.0	2.4
18...	.10	.84	.00	.1	--	--	--
MAR.							
04...	.37	1.3	.03	.1	.0	10	4.6
17...	.05	.53	.03	.1	--	--	--
APR.							
04...	.03	.18	.00	.1	.0	12	2.9
04...	--	--	--	--	--	--	--
22...	.03	.09	.00	.1	--	--	--
MAY							
06...	.03	.18	.00	.1	.1	<8.4	3.2
20...	.01	1.6	.00	.0	--	--	--
JUNE							
05...	.01	.84	.00	.0	.0	3.7	2.7
23...	.05	.31	.03	.0	--	--	--
JULY							
10...	.00	.49	.03	.0	.0	--	--
10...	--	--	--	--	--	8.5	5.6
14...	.05	.18	.03	.0	--	--	--
AUG.							
05...	.00	.04	.00	.1	.0	--	--
SEP.							
09...	.00	2.9	.03	.1	.2	--	--

09306405 - HELL'S HOLE CAN AT MOUTH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	TUR-BID-ITY (JTU) (00070)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L) (00660)
JULY, 1975												
16:::	1515	16	--	2020	189	231	--	--	--	--	.04	.00
AUG:												
18:::	1800	--	190	--	93	113	.00	.12	.77	1.5	.39	.00

09306405 - HELL'S HOLE CAN AT MOUTH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)
JULY, 1975											
16...	--	.00	--	810	620	260	38	160	2.5	30	11
AUG.											
18...	.07	.00	.2	290	200	84	19	39	1.0	22	7.0

09306405 - HELL'S HOLE CAN AT MOUTH NR WATSON UT

PROCESS DATE 11/05/75
DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
JULY, 1975											
16...	9.0	950	.4	15	--	210	--	420	520	--	--
AUG.											
18...	4.1	260	.4	7.5	1	90	17	70	--	890	130

PROCESS DATE 11/05/75

09306405 - HELL'S HOLE CAN AT MOUTH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS-SOLVED NITRATE (NO3) (MG/L) (71851)	DIS-SOLVED NITRITE (NO2) (MG/L) (71856)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)
JULY, 1975											
16...	--	--	--	--	1560	69.1	2.12	--	--	--	--
AUG.											
18...	0	10	2	500	482	--	.68	.00	3.4	.39	.0

09306415 - EVACUATION CR BLW PARK CAN NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	INSTANTANEOUS DISCHARGE (CFS) (00061)	STAGE (FT ABOVE DATUM) (00065)	TURBIDITY (JTU) (00070)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	DISSOLVED OXYGEN (MG/L) (00300)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)
NOV., 1974												
14...	1600	751756	8.0	--	.14	--	--	10	4400	--	21	8.1
21...	1230	--	6.2	--	.24	--	2	--	3990	--	21	--
DEC.												
04...	1545	751843	--	--	.17	--	3	5	3400	--	20	8.3
17...	1430	--	.6	--	.44	--	1	--	4170	--	27	--
JAN., 1975												
08...	1130	--	.0	1.0	--	--	2	5	4110	11.0	33	8.2
MAR.												
05...	1222	752680	.0	13.0	3.4	--	600	20	3800	10.0	35	8.1
17...	--	--	2.1	--	.40	--	30	--	4540	--	13	--
APR.												
08...	1200	752960	7.5	3.0	2.7	--	1400	2	4000	8.3	49	8.3
08...	1212	752981	--	--	--	--	--	--	--	--	--	--
22...	1150	--	16.2	--	2.0	2.13	3500	--	2900	8.0	270	--
MAY												
07...	1440	753383	11.5	--	--	--	3600	6	3400	8.6	99	8.5
20...	1200	--	17.7	--	3.3	--	760	--	4000	5.0	36	8.1
JUNE												
04...	1045	753716	18.5	17.0	1.7	--	580	4	3700	8.1	27	8.3
23...	1100	--	21.0	--	1.0	--	570	--	3430	3.8	31	8.7
JULY												
11...	1530	--	31.4	--	.30	--	180	15	4500	6.2	20	8.2
11...	1542	760082	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	1330	760440	25.0	31.0	.08	--	12	7	4500	8.9	25	8.3
SEP.												
11...	1700	--	22.3	17.5	.91	--	7500	60	2310	7.2	390	8.4

09306415 - EVACUATION CR BLW PARK CAN NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L) (00660)
NOV., 1974												
14...	5.9	384	468	0	3900	0	.08	.03	6.5	.59	6.5	.09
21...	--	360	439	0	--	0	.02	.02	.01	.67	.03	.03
DEC.												
04...	4.0	404	493	0	3800	0	.03	.03	8.8	.71	8.8	.03
17...	--	416	507	0	--	1	.11	.01	8.0	.70	8.0	.03
JAN., 1975												
08...	5.8	469	572	0	3600	11	.05	.04	4.8	1.3	4.8	.09
MAR.												
05...	5.9	378	461	0	3400	5	.03	.01	2.1	1.6	2.1	.03
17...	--	390	475	0	--	3	.01	.01	5.0	.47	5.0	.06
APR.												
08...	3.7	383	467	0	3400	1	.03	.03	.94	2.3	.97	.00
08...	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	347	423	0	--	1	.02	.01	.79	25	.80	.12
MAY												
07...	2.4	388	473	0	3000	E2	.02	.01	.81	5.7	.82	.06
20...	6.0	386	470	0	--	1	.01	.00	.70	1.9	.70	.06
JUNE												
04...	3.7	382	466	0	3100	2	.02	.01	1.2	1.4	1.2	.06
23...	1.5	376	459	0	--	1	.04	.01	.19	1.3	.20	.00
JULY												
11...	4.6	371	452	0	--	3	.00	.02	2.3	.67	2.3	.06
11...	--	--	--	--	4800	--	--	--	--	--	--	--
AUG.												
06...	3.4	346	422	0	5600	0	.03	.03	4.8	.81	4.8	.06
SEP.												
11...	1.6	230	281	0	--	E14	.00	.01	4.0	17	4.0	.00

WATER QUALITY DATA

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	CYANIDE (CN) (MG/L) (00720)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)
NOV., 1974												
14...	.01	.03	--	.00	.0	1100	670	160	160	700	9.4	59
21...	.16	.01	--	--	.0	980	620	160	140	590	8.2	57
DEC.												
04...	.01	.01	--	.00	.0	1100	720	170	170	650	8.4	56
17...	.01	.01	--	--	.2	1100	710	170	170	660	8.6	56
JAN., 1975												
08...	.01	.03	15	.00	2.3	1300	820	200	190	640	7.8	52
MAR.												
05...	.55	.01	--	.00	.0	990	610	150	150	640	8.8	58
17...	.03	.02	--	--	.1	1100	750	160	180	660	8.5	56
APR.												
08...	.84	.00	2.6	.00	.0	970	590	140	150	640	9.0	59
08...	--	--	--	--	--	--	--	--	--	--	--	--
22...	4.8	.04	--	--	.1	730	380	110	110	490	7.9	59
MAY												
07...	.98	.02	--	.01	.1	900	510	130	140	650	9.4	61
20...	.67	.02	--	--	.0	960	570	120	160	640	9.0	59
JUNE												
04...	.00	.02	--	.00	.2	900	520	130	140	690	10	62
23...	.53	.00	--	--	.0	880	500	120	140	610	9.0	60
JULY												
11...	.07	.02	6.9	.00	.0	1100	730	160	170	770	10	60
11...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	.03	.02	--	.00	.0	1100	730	150	170	790	10	61
SEP.												
11...	3.0	.00	--	.00	.0	590	360	130	64	320	5.7	54

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WATER QUALITY DATA

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)
NOV., 1974												
14...	1.4	36	2000	1.1	9.4	2	0	--	--	1300	0	0
21...	5.9	35	1800	2.1	27	--	--	--	--	--	--	--
DEC.												
04...	5.4	36	1900	.9	11	2	<100	--	--	1400	0	<10
17...	3.8	39	2000	1.0	11	--	--	--	--	--	--	--
JAN., 1975												
08...	5.4	43	2000	1.3	15	1	<100	<10	<60	2400	0	0
MAR.												
05...	5.8	30	1900	.6	9.3	0	400	--	--	510	0	0
17...	6.2	36	2000	.9	10	--	--	--	--	--	--	--
APR.												
08...	6.0	31	1900	.4	9.5	1	<100	<10	--	330	0	0
08...	--	--	--	--	--	--	60	<5	<15	220	0	<15
22...	5.2	23	1400	.5	10	--	--	--	--	--	--	--
MAY												
07...	5.0	28	1800	.6	10	1	0	--	--	280	0	0
20...	5.0	27	1900	.6	11	--	--	--	--	--	--	--
JUNE												
04...	6.9	29	1900	.6	12	1	0	--	--	330	0	0
23...	4.9	27	1700	.7	12	--	--	--	--	--	--	--
JULY												
11...	8.7	38	2300	.8	15	2	200	0	--	610	0	0
11...	--	--	--	--	--	--	130	<5	<20	360	0	<20
AUG.												
06...	8.8	43	2400	.9	13	2	<100	--	--	1100	0	0
SEP.												
11...	12	19	1000	.6	8.3	1	200	--	--	80	0	10

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WATER QUALITY DATA

DATE	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)
NOV., 1974												
14...	0	2	20	0	40	38	16	--	--	2.5	20	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
04...	1	2	10	3	42	39	6	--	--	.3	10	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
08...	0	4	20	0	30	67	10	0	4100	.0	10	<60
MAR.												
05...	0	9	40	1	60	21	0	--	--	.0	20	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
08...	0	5	20	0	30	15	3	0	3300	.0	20	--
08...	<15	10	100	<15	30	<20	<15	<2	3100	<15	0	<15
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
07...	0	3	40	0	20	13	1	--	--	1.1	2	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
04...	0	4	120	0	20	31	2	--	--	.0	0	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
11...	2	4	20	1	40	23	6	0	3700	1.6	20	--
11...	<20	10	140	<20	20	70	<20	<2	2900	<20	20	<30
AUG.												
06...	0	3	10	1	10	42	6	--	--	.8	0	--
SEP.												
11...	0	29	50	0	10	9	2	--	--	1.1	0	--

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WATER QUALITY DATA

DATE	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	CHLORO-PHYLL A (UG/L) (32230)	CHLORO-PHYLL B (UG/L) (32231)	PHENOLS (UG/L) (32730)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV., 1974												
14...	0	--	--	90	6	--	--	16	--	--	1	--
21...	--	--	--	--	--	--	--	--	--	--	0	--
DEC.												
04...	0	--	--	80	7	--	--	<10	.2	.3	1	--
17...	--	--	--	--	--	--	--	--	--	--	1	--
JAN., 1975												
08...	0	<30	<60	140	20	<40	<100	17	1.3	1.0	1	--
MAR.												
05...	10	--	--	70	2	--	--	19	2.5	1.8	5	--
17...	--	--	--	--	--	--	--	--	--	--	11	--
APR.												
08...	50	--	--	60	1	--	--	17	.9	.0	14	.0
08...	130	<7	<20	50	--	<15	<30	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	10	--
MAY												
07...	10	--	--	50	2	--	--	22	--	--	8	--
20...	--	--	--	--	--	--	--	--	--	--	3	--
JUNE												
04...	30	--	--	80	3	--	--	<17	.8	.7	1	--
23...	--	--	--	--	--	--	--	--	--	--	2	--
JULY												
11...	30	--	--	70	4	--	--	--	--	--	6	--
11...	120	<10	<30	70	--	<10	<40	21	--	--	--	--
AUG.												
06...	20	--	--	90	3	--	--	30	5.2	3.9	10	--
SEP.												
11...	40	--	--	30	1	--	--	--	8.4	13	11	--

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WATER QUALITY DATA

DATE	ALDRIN (UG/L) (39330)	LINDANE (UG/L) (39340)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	TOX-APHENE (UG/L) (39400)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	PCB (UG/L) (39516)
NOV., 1974												
14...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
04...	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
08...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
05...	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
08...	.00	.00	.0	.00	.00	.00	.00	.00	0	.00	.00	.0
08...	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
07...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
04...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
11...	--	--	--	--	--	--	--	--	--	--	--	--

09306415 - EVACUATION CR BLW PARK CAN NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_SOLVED NITRATE (NO3) (MG/L) (71851)
NOV., 1974									
14...	--	--	--	3720	3330	1.49	5.06	.10	29
21...	--	--	--	3360	2980	2.18	4.57	.03	.04
DEC.									
04...	--	--	--	3550	3230	1.63	4.83	.04	39
17...	--	--	--	3610	3340	4.29	4.91	.14	35
JAN., 1975									
08...	--	--	--	3790	3410	--	5.15	.06	21
MAR.									
05...	--	--	--	3190	3120	29.5	4.34	.04	9.3
17...	--	--	--	3520	3310	3.80	4.79	.01	22
APR.									
06...	.00	.00	.00	3240	3120	24.1	4.41	.04	4.2
08...	--	--	--	--	--	--	--	--	--
22...	--	--	--	2460	2360	13.3	3.35	.03	3.5
MAY									
07...	--	--	--	3070	3000	--	4.18	.03	3.6
20...	--	--	--	3100	3100	27.6	4.22	.01	3.1
JUNE									
04...	--	--	--	3190	3140	15.2	4.34	.03	5.3
23...	--	--	--	2920	2840	7.88	3.97	.05	.84
JULY									
11...	--	--	--	3870	3700	3.13	5.26	.00	10
11...	--	--	--	--	--	--	--	--	--
AUG.									
08...	--	--	--	4040	3810	.97	5.49	.04	21
SEP.									
11...	--	--	--	1770	1710	4.35	2.41	.00	18

Made Primarily from Recycled Fibers

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WATER QUALITY DATA

DATE	DIS- SOLVED NITRITE (NO2) (MG/L) (71856)	BROMIDE (BR) (MG/L) (71870)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974					
14...	.10	.2	.0	<50	14
21...	.07	.2	--	--	--
DEC.					
04...	.10	.3	.3	<32	<8.4
17...	.03	.3	--	--	--
JAN., 1975					
08...	.13	.3	.1	46	14
MAR.					
05...	.03	.2	.0	<38	17
17...	.03	.2	--	--	--
APR.					
08...	.10	.1	.1	80	13
08...	--	--	--	--	--
22...	.03	.2	--	--	--
MAY					
07...	.03	.2	.0	100	18
20...	.00	.5	--	--	--
JUNE					
04...	.03	.2	.0	<39	<13
23...	.03	.2	--	--	--
JULY					
11...	.07	.2	.0	--	--
11...	--	--	--	<67	18
AUG.					
06...	.10	.3	.0	<62	25
SEP.					
11...	.03	.1	.2	--	--

09306420 - EVACUATION CREEK AT WATSON UTAH

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WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	INSTANTANEOUS DISCHARGE (CFS) (00061)	STAGE (FT ABOVE DATUM) (00065)	TURBIDITY (JTU) (00070)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	DISSOLVED OXYGEN (MG/L) (00300)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)
OCT., 1974												
10...	1100	--	10.5	--	.00	--	--	20	5000	8.5	34	8.2
23...	1210	--	3.0	--	.02	--	--	--	5780	--	46	--
NOV.												
14...	1400	751758	10.0	--	.01	--	--	20	5700	--	47	--
21...	1345	--	3.7	--	.01	--	3	--	5750	--	38	--
DEC.												
05...	1255	751716	.8	--	.26	--	30	20	5200	--	47	7.6
16...	1600	--	2.6	--	.38	--	10	--	6170	--	39	--
JAN., 1975												
08...	1400	--	2.5	1.0	--	--	3	20	6000	5.3	59	8.2
FEB.												
04...	1600	752444	2.0	--	--	--	3	5	5250	7.0	39	7.7
18...	1220	--	1.0	--	.43	--	20	--	5700	--	49	--
MAR.												
04...	1600	752479	.6	11.0	9.8	--	3500	30	3500	10.3	110	8.1
17...	1305	--	3.3	--	--	--	400	--	5140	--	51	--
APR.												
09...	1230	752969	6.0	5.0	2.0	--	600	5	4800	7.6	42	8.5
09...	1233	752983	--	--	--	--	--	--	--	--	--	--
22...	1255	--	15.7	--	2.5	1.14	760	--	3900	6.1	43	--
MAY												
08...	1400	753364	10.5	16.6	--	--	620	5	5000	7.5	34	8.3
20...	1318	--	18.1	--	2.7	--	700	--	4400	5.0	47	8.2
JUNE												
04...	1400	753717	28.2	--	1.6	--	400	8	4150	6.9	32	8.3
23...	1230	--	26.8	--	1.7	--	520	--	4120	6.8	35	8.8
JULY												
15...	1600	760242	22.5	--	2.4	--	6800	40	1650	6.7	330	7.9
15...	1602	760225	--	--	--	--	--	--	--	--	--	--
AUG.												
04...	1600	760244	20.0	35.5	.01	--	26	20	5100	6.4	49	7.9
19...	1220	--	22.3	--	.01	--	11	--	4740	--	45	--

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WATER QUALITY DATA

DATE	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L) (00660)
OCT., 1974												
10...	5.8	475	579	0	--	0	.10	.01	--	1.0	.00	.03
23...	--	442	539	0	--	0	.06	.00	.00	.72	.00	.00
NOV.												
14...	--	477	582	0	4900	0	.02	.01	.07	.63	.08	.09
21...	--	470	573	0	--	0	.04	.00	.16	.71	.16	.06
DEC.												
05...	21	434	529	0	4700	0	.06	.03	1.3	.80	1.3	.03
16...	--	454	553	0	--	1	.13	.02	1.6	.74	1.6	.03
JAN., 1975												
08...	6.5	527	642	0	5900	8	.06	.00	.03	.93	.03	.06
FEB.												
04...	19	485	591	0	4100	3	.03	.01	.01	.78	.02	.03
18...	--	482	588	0	--	5	.06	.00	.73	.94	.73	.03
MAR.												
04...	4.6	297	362	0	2600	7	.04	.02	2.2	1.5	2.2	.09
17...	--	364	444	0	--	2	.03	.01	1.4	1.4	1.4	.03
APR.												
09...	2.5	405	494	0	3800	2	.02	.03	2.0	1.2	2.0	.00
09...	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	405	494	0	--	1	.00	.01	1.4	2.3	1.4	.12
MAY												
06...	3.7	382	466	0	4000	52	.02	.04	1.5	1.2	1.5	.06
20...	4.6	377	460	0	--	1	.03	.01	1.2	1.8	1.2	.09
JUNE												
04...	1.7	176	129	42	4200	2	.01	.00	1.2	1.2	1.2	.12
23...	1.1	349	426	0	--	4	.03	.01	.99	1.2	1.0	.00
JULY												
15...	3.1	128	156	0	1300	--	.00	.05	.93	7.9	.98	.00
15...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
04...	11	459	559	0	--	1	.00	.03	.06	.96	.09	.00
19...	--	467	569	0	--	1	.00	.01	.03	.67	.04	.00

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WATER QUALITY DATA

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	CYANIDE (CN) (MG/L) (00720)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT., 1974												
10...	.01	.01	22	90	.00	.2	1500	990	220	220	1000	11
23...	.12	.00	--	--	--	.2	1400	950	210	210	930	11
NOV.												
14...	.01	.03	--	--	.00	.0	1300	770	220	170	1000	12
21...	.45	.02	--	--	--	.0	1300	820	220	130	960	12
DEC.												
05...	.03	.01	--	--	.00	.0	1300	860	190	200	880	11
16...	.03	.01	--	--	--	.3	1300	870	200	200	860	10
JAN., 1975												
08...	.01	.02	21	--	.00	.0	1600	1100	240	250	1100	12
FEB.												
04...	.02	.01	--	--	.00	.2	1500	1000	220	230	1000	11
13...	.04	.01	--	--	--	.1	1400	950	210	220	970	11
MAR.												
04...	3.3	.03	--	--	.00	.0	840	540	120	130	500	7.5
17...	.86	.01	--	--	--	.2	1100	740	160	170	700	9.2
APR.												
09...	.33	.00	8.2	--	.00	.1	1100	720	170	170	730	9.5
09...	--	--	--	--	--	--	--	--	--	--	--	--
22...	.99	.04	--	--	--	.0	1100	670	150	170	790	10
MAY												
05...	.24	.02	--	--	.01	.0	1000	650	150	160	720	9.7
20...	.66	.03	--	--	--	.0	1100	690	130	160	740	9.9
JUNE												
04...	.01	.04	--	--	.01	.1	940	770	130	150	670	9.5
23...	.52	.00	--	--	--	.0	1000	650	120	170	700	9.5
JULY												
15...	4.7	.00	34	--	.02	.3	340	220	73	39	230	5.4
15...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
04...	.02	.00	--	--	.00	.1	1400	910	200	210	980	12
19...	.04	.00	--	--	--	.2	1400	960	210	220	980	11

WATER QUALITY DATA

DATE	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)
OCT., 1974												
10...	60	11	64	3000	.9	9.9	3	0	0	--	2100	<1
23...	60	9.2	63	2900	.9	9.6	--	--	--	--	--	--
NOV.												
14...	63	2.2	64	2800	1.1	9.4	3	0	--	--	2700	0
21...	62	10	63	2700	.9	9.8	--	--	--	--	--	--
DEC.												
05...	59	7.4	56	2600	.9	9.0	3	<100	--	--	2300	0
16...	58	5.5	58	2600	1.0	9.2	--	--	--	--	--	--
JAN., 1975												
03...	59	8.8	74	3300	1.0	11	1	<100	<10	<90	310	0
FEB.												
04...	59	9.3	67	3200	.8	10	5	<100	--	--	2400	0
18...	59	7.8	87	2900	1.0	8.8	--	--	--	--	--	--
MAR.												
04...	56	6.1	30	1400	.6	6.8	0	<100	--	--	670	0
17...	58	7.3	44	2100	.9	7.0	--	--	--	--	--	--
APR.												
09...	58	8.8	44	2100	1.0	9.3	1	<100	<10	--	1200	0
09...	--	--	--	--	--	--	--	70	<6	<20	850	0
22...	61	6.6	39	2200	.8	10	--	--	--	--	--	--
MAY												
08...	60	6.8	39	2200	.8	15	2	0	--	--	1100	0
20...	60	6.2	36	2100	.8	11	--	--	--	--	--	--
JUNE												
04...	61	5.4	39	2100	.8	12	2	0	--	--	500	0
23...	60	6.5	35	2100	.8	17	--	--	--	--	--	--
JULY												
15...	59	5.7	18	680	.5	6.3	2	0	0	--	380	0
15...	--	--	--	--	--	--	--	86	<2	<10	210	0
AUG.												
04...	61	12	63	3000	1.0	12	3	<100	<6	<40	2600	0
19...	60	12	59	2800	1.1	13	--	--	--	--	--	--

Made Primarily from Recycled Fibers

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WATER QUALITY DATA

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT., 1974												
10...	0	0	3	50	2	70	38	12	1	4100	2.8	10
23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
14...	0	0	4	20	0	130	45	18	--	--	2.6	20
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
05...	<10	3	7	20	2	210	40	14	--	--	2.3	10
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
08...	0	0	3	30	0	160	33	7	0	4300	4.2	10
FEB.												
04...	20	0	4	10	0	67	24	4	--	--	.0	20
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	0	0	7	220	0	10	20	0	--	--	6.7	40
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
09...	0	0	5	20	0	0	28	3	0	3600	.0	20
09...	<20	<20	10	130	<20	<9	40	<20	<2	3700	<20	0
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
05...	0	0	7	40	0	20	24	1	--	--	1.2	10
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
04...	0	0	3	50	0	10	19	1	--	--	.0	0
23...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
15...	0	2	9	50	0	20	14	4	0	1200	1.6	10
15...	<7	<3	12	100	<7	24	28	<3	0	1300	<3.0	10
AUG.												
04...	10	0	3	30	3	100	43	7	<3	4200	.6	10
19...	--	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA

DATE	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	CHLORO-PHYLL A (UG/L) (32230)	CHLORO-PHYLL B (UG/L) (32231)	PHENOLS (UG/L) (32730)
OCT., 1974												
10...	--	10	--	--	120	0	--	--	--	.4	.5	1
23...	--	--	--	--	--	--	--	--	--	--	--	7
NOV.												
14...	--	0	--	--	110	0	--	--	20	--	--	0
21...	--	--	--	--	--	--	--	--	--	--	--	0
DEC.												
05...	--	0	--	--	100	3	--	--	21	.9	.5	3
16...	--	--	--	--	--	--	--	--	--	--	--	0
JAN., 1975												
06...	<90	10	<40	<90	120	0	<60	<150	38	1.3	1.8	0
FEB.												
04...	--	0	--	--	100	0	--	--	170	1.8	3.0	6
18...	--	--	--	--	--	--	--	--	--	--	--	0
MAR.												
04...	--	20	--	--	60	4	--	--	<17	19	4.0	5
17...	--	--	--	--	--	--	--	--	--	--	--	4
APR.												
09...	--	30	--	--	90	4	--	--	18	.2	.0	4
09...	<20	130	<9	<30	85	--	<20	<40	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	3
MAY												
08...	--	20	--	--	80	3	--	--	<17	--	--	3
20...	--	--	--	--	--	--	--	--	--	--	--	4
JUNE												
04...	--	30	--	--	50	2	--	--	<18	4.2	2.9	1
23...	--	--	--	--	--	--	--	--	--	--	--	2
JULY												
15...	--	30	--	--	20	2	--	--	26	.0	.0	24
15...	<10	110	<3	<7	30	--	<3	<10	--	--	--	--
AUG.												
04...	<40	10	<10	<25	120	0	30	<50	--	1.8	1.8	4
19...	--	--	--	--	--	--	--	--	--	--	--	5

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WATER QUALITY DATA

DATE	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	ALDRIN (UG/L) (39330)	LINDANE (UG/L) (39340)	CHLORDANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DIELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	TOXAPHENE (UG/L) (39400)	HEPTACHLOR (UG/L) (39410)	HEPTACHLOR EPOXIDE (UG/L) (39420)
OCT., 1974												
10...	.0	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
14...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
05...	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
08...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
04...	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
09...	.0	.00	.00	.0	.00	.00	.00	.00	.00	0	.00	.00
09...	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
08...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
04...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
15...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
04...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--

09306420 - EVACUATION CREEK AT WATSON UTAH

WATER QUALITY DATA

DATE	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_SOLVED AMMONIA (NH4) (MG/L) (71846)
OCT., 1974									
10...	--	--	--	--	5150	4820	.11	7.00	.13
23...	--	--	--	--	4970	4650	.27	6.76	.08
NOV.									
14...	--	--	--	--	5090	4560	.18	6.92	.03
21...	--	--	--	--	4700	4430	.13	6.39	.05
DEC.									
05...	--	--	--	--	4530	4210	3.18	6.16	.08
16...	--	--	--	--	4500	4210	4.62	6.12	.17
JAN., 1975									
08...	--	--	--	--	5620	5310	--	7.64	.08
FEB.									
04...	--	--	--	--	5190	5030	--	7.06	.04
18...	--	--	--	--	4780	4700	5.55	6.50	.08
MAR.									
04...	--	--	--	--	2560	2380	68.4	3.48	.05
17...	--	--	--	--	3520	3410	--	4.79	.04
APR.									
09...	.0	.00	.00	.00	3880	3490	21.3	5.28	.03
09...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	3880	3620	26.2	5.28	.00
MAY									
08...	--	--	--	--	3680	3530	--	5.00	.03
20...	--	--	--	--	3680	3440	26.8	5.00	.04
JUNE									
04...	--	--	--	--	3640	3220	15.8	4.95	.01
23...	--	--	--	--	3450	3360	15.8	4.69	.04
JULY									
15...	--	--	--	--	1170	1140	7.77	1.59	.00
15...	--	--	--	--	--	--	--	--	--
AUG.									
04...	--	--	--	--	4920	4780	.13	6.69	.00
19...	--	--	--	--	4800	4580	.13	6.53	.00

09306420 - EVACUATION CREEK AT WATSON UTAH

WATER QUALITY DATA

DATE	DIS- SOLVED NITRATE (NO3) (MG/L) (71851)	DIS- SOLVED NITRITE (NO2) (MG/L) (71856)	BROMIDE (BR) (MG/L) (71870)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
OCT., 1974						
10...	--	.03	.4	.0	--	--
23...	.00	.00	.4	--	--	--
NOV.						
14...	.31	.03	.4	.0	<60	18
21...	.71	.00	.4	--	--	--
DEC.						
05...	5.6	.10	.4	<.1	53	18
16...	7.0	.07	.4	--	--	--
JAN., 1975						
08...	.13	.00	.4	.0	120	30
FEB.						
04...	.04	.03	.3	.0	61	140
18...	3.2	.00	.4	--	--	--
MAR.						
04...	9.7	.07	.2	.0	<30	<20
17...	6.2	.03	.2	--	--	--
APR.						
09...	8.7	.10	.3	.0	50	15
09...	--	--	--	--	--	--
22...	6.2	.03	.3	--	--	--
MAY						
08...	6.5	.13	.2	.0	<52	<14
20...	5.3	.03	.2	--	--	--
JUNE						
04...	5.3	.03	.3	.0	67	<14
23...	4.4	.03	.3	--	--	--
JULY						
15...	4.1	.16	.1	.0	16	20
15...	--	--	--	--	--	--
AUG.						
04...	.27	.10	.4	.0	--	--
19...	.13	.03	.4	--	--	--

WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	INSTANTANEOUS DISCHARGE (CFS) (00061)	STAGE (FT ABOVE DATUM) (00065)	TURBIDITY (JTU) (00070)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	DISSOLVED OXYGEN (MG/L) (00300)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)
AUG., 1974												
27...	1430	--	750602	31.0	--	.50	--	--	7	5500	13.0	33
SEP.												
17...	1330	--	--	26.0	--	--	--	--	20	4250	--	30
OCT.												
10...	1500	--	751131	22.5	--	.02	--	--	10	4500	11.3	19
22...	1542	--	--	6.5	--	.16	--	--	--	4710	--	6
NOV.												
12...	1430	--	751757	7.0	--	.05	--	--	7	4400	--	35
22...	1115	--	--	10.7	--	.14	--	1	--	4400	--	19
DEC.												
05...	1515	--	751717	5.2	--	.06	--	1	10	4300	--	25
16...	1215	--	--	.5	--	.04	--	1	--	1300	--	24
JAN., 1975												
09...	1400	--	752272	1.5	-3.5	--	--	2	3	4500	8.1	24
FEB.												
04...	1400	--	--	3.5	1.0	.05	--	1	5	4600	8.4	24
17...	1020	--	--	3.0	--	.03	--	4	--	5500	--	27
MAR.												
04...	1450	--	--	6.0	12.0	10.	--	2800	20	2800	9.2	88
17...	1400	--	--	5.2	--	.3	--	3	--	4210	--	22
APR.												
09...	1100	--	--	10.5	7.0	1.3	--	240	5	4000	7.4	37
22...	1445	--	--	17.0	--	1.1	2.00	30	--	4250	6.9	25
MAY												
07...	1130	--	753401	6.2	--	2.8	--	800	8	4500	8.5	52
20...	1406	--	--	17.9	--	1.8	--	800	--	4800	4.9	50
JUNE												
02...	1430	--	--	23.5	24.5	1.6	--	2700	10	3650	7.6	110
24...	1315	--	--	15.5	--	1.8	--	380	--	4080	--	32
JULY												
07...	1300	--	--	24.0	28.0	.37	--	3	10	3600	--	28
AUG.												
04...	1530	--	760439	30.0	--	.20	--	18	10	4250	7.1	28
19...	1400	8.0	--	25.5	--	.14	--	29	--	4400	--	31
SEP.												
08...	1520	--	--	24.5	24.0	.08	--	0	7	4400	8.0	26

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WATER QUALITY DATA

DATE	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
AUG., 1974												
27...	8.0	6.8	351	428	0	--	--	.09	.02	.32	.91	.34
SEP.												
17...	7.9	9.0	367	447	0	--	0	.09	.01	.10	1.2	.11
OCT.												
10...	8.2	4.7	382	466	0	3600	250	.12	.00	--	.85	.00
22...	8.0	7.2	368	449	0	--	1	.03	.00	.00	1.0	.00
NOV.												
12...	8.7	1.6	399	487	0	3900	0	.11	.01	.01	.49	.02
22...	8.4	3.1	404	493	0	--	0	.01	.00	.02	.36	.02
DEC.												
05...	8.4	3.2	412	502	0	4000	0	.02	.03	.13	.44	.16
15...	--	--	434	529	0	--	0	.11	.01	.06	.66	.09
JAN., 1975												
09...	8.3	4.3	444	541	0	4400	8	.01	.01	.01	.63	.02
FEB.												
04...	7.6	14	444	541	0	5000	5	.01	.03	.02	.48	.05
17...	--	--	443	540	0	--	--	--	.00	.01	.48	.01
MAR.												
04...	8.1	3.8	247	301	0	2200	5	.10	.11	.99	.82	1.1
17...	--	--	438	534	0	--	9	.04	.00	1.2	.39	1.2
APR.												
09...	7.8	13	406	495	0	3800	3	.03	.00	1.5	.67	1.5
22...	--	--	404	492	0	--	2	.11	.01	1.8	.63	1.8
MAY												
07...	8.2	4.9	395	482	0	3800	1	.02	.02	1.7	2.1	1.7
20...	8.0	7.0	359	438	0	--	1	.03	.01	1.3	2.2	1.3
JUNE												
02...	7.9	6.5	297	362	0	3100	2	.01	.03	1.1	5.0	1.1
24...	--	--	340	415	--	--	1	.03	.02	1.1	1.2	1.1
JULY												
07...	7.8	12	386	471	0	--	2	.03	.07	.92	.54	.99
AUG.												
04...	7.5	24	390	475	0	2800	1	.04	.03	.93	.57	.96
19...	9.0	.7	374	456	0	--	1	.00	.01	.34	.43	.35
SEP.												
08...	8.2	4.9	396	483	0	--	0	.03	.03	.41	2.5	.44

WATER QUALITY DATA

DATE	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	CYANIDE (CN) (MG/L) (00720)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)
AUG., 1974												
27...	.00	.01	.00	--	--	--	.0	1000	660	140	160	710
SEP.												
17...	.00	.04	.00	13	43	.00	.2	1000	660	160	150	680
OCT.												
10...	.00	.01	.00	--	--	.00	.0	1100	740	170	170	730
22...	.03	.05	.01	--	--	--	.1	1100	690	160	160	720
NOV.												
12...	.03	.02	.01	--	--	.00	.0	1100	670	180	150	710
22...	.03	.03	.01	--	--	--	.0	1100	660	180	150	700
DEC.												
05...	.03	.02	.01	--	--	.00	.0	1100	650	160	160	710
16...	.03	.02	.01	--	--	--	.3	1200	720	180	170	730
JAN., 1975												
09...	.03	.02	.01	11	--	.00	.1	1200	760	200	170	760
FEB.												
04...	.09	.05	.03	--	--	.00	.1	1200	750	180	180	780
17...	.06	.03	.02	--	--	--	.0	1200	750	180	180	780
MAR.												
04...	.03	.30	.01	--	--	.00	.0	690	440	110	100	420
17...	.09	.01	.03	--	--	--	.1	1100	650	170	160	690
APR.												
09...	.00	.15	.00	8.1	--	.00	.2	1200	770	190	170	660
22...	.12	.06	.04	--	--	--	.1	1100	720	170	170	710
MAY												
07...	.06	.29	.02	--	--	.01	.0	1100	660	160	160	760
20...	.03	.52	.01	--	--	--	.0	1000	650	140	160	730
JUNE												
02...	.06	.01	.02	--	--	.01	.1	970	670	140	150	610
24...	.03	.32	.01	--	--	--	.0	1100	750	140	180	690
JULY												
07...	.06	.00	.02	8.2	--	.00	.1	1100	690	180	150	680
AUG.												
04...	.06	.04	.02	--	--	.00	.0	1100	690	170	160	710
19...	.00	.01	.00	--	--	--	.1	950	580	150	140	550
SEP.												
03...	.03	.00	.01	--	--	.00	.2	1200	750	180	170	750

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WATER QUALITY DATA

DATE	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)
AUG., 1974												
27...	9.7	60	9.6	49	2100	.8	9.5	2	0	<6	<20	2200
SEP.												
17...	9.3	59	12	50	2000	.9	10	3	100	0	--	1900
OCT.												
10...	9.5	58	10	53	2200	.8	7.9	2	0	--	--	1900
22...	9.6	59	8.9	55	2200	.9	7.9	--	--	--	--	--
NOV.												
12...	9.5	59	1.8	52	2100	.8	7.6	2	0	--	--	2300
22...	9.3	59	7.8	52	2000	.6	8.0	--	--	--	--	--
DEC.												
05...	9.5	59	7.0	51	2000	.8	8.3	2	<100	--	--	2000
16...	9.4	58	5.4	56	2100	.8	8.8	--	--	--	--	--
JAN., 1975												
09...	9.6	58	7.9	58	2400	.8	10	2	0	0	<65	2400
FEB.												
04...	9.8	59	7.7	60	2400	.7	9.8	6	<100	--	--	2500
17...	9.8	59	7.2	59	2300	.8	8.9	--	--	--	--	--
MAR.												
04...	7.0	57	6.2	25	1200	.5	6.1	0	100	--	--	590
17...	9.1	58	9.5	47	1900	.8	10	--	--	--	--	--
APR.												
09...	8.4	55	8.2	47	2000	.7	10	1	<100	<10	--	1700
22...	9.2	58	8.6	47	2100	.8	10	--	--	--	--	--
MAY												
07...	10	61	7.4	44	2200	.8	10	2	0	--	--	1200
20...	10	61	7.1	42	2100	.8	11	--	--	--	--	--
JUNE												
02...	8.5	58	7.2	41	1900	.7	9.9	1	0	--	--	990
24...	9.1	58	7.9	42	2200	.8	14	--	--	--	--	--
JULY												
07...	9.1	58	9.1	44	2100	.9	11	0	0	0	--	1500
AUG.												
04...	9.4	59	10	48	2200	.9	11	1	<100	--	--	1600
19...	7.8	55	7.5	46	1700	.7	11	--	--	--	--	--
SEP.												
08...	9.6	58	11	49	2300	.9	10	2	<200	--	--	1700

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WATER QUALITY DATA

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)
AUG., 1974												
27...	0	0	0	4	20	2	80	57	2	<2	4200	1.2
SEP.												
17...	0	0	0	4	20	2	40	67	2	0	3900	.4
OCT.												
10...	0	0	0	2	30	3	30	53	9	--	--	3.2
22...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	0	0	0	2	20	0	60	49	6	--	--	3.1
22...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
05...	0	<10	2	1	50	2	70	47	9	--	--	1.3
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
09...	0	0	1	4	40	3	190	53	7	0	4200	.0
FEB.												
04...	0	30	0	3	20	1	110	37	5	--	--	.0
17...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	0	0	0	600	100	0	20	20	0	--	--	.0
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
09...	1	0	0	160	30	3	90	38	3	0	3800	.0
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
07...	0	0	0	6	80	0	30	28	2	--	--	1.3
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
02...	0	0	0	10	200	4	40	35	3	--	--	.0
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
07...	0	0	2	7	10	1	50	41	6	0	3700	.7
AUG.												
04...	1	0	0	9	10	1	40	44	6	--	--	.7
19...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0	10	0	3	0	0	30	50	1	--	--	.6

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WATER QUALITY DATA

DATE	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	CHLORO-PHYLL A (UG/L) (32230)	CHLORO-PHYLL B (UG/L) (32231)
AUG., 1974												
27...	10	<20	0	<5	<20	120	--	<13	<20	--	--	--
SEP.												
17...	20	--	30	--	--	120	2	--	--	--	8.5	4.2
OCT.												
10...	10	--	0	--	--	150	1	--	--	23	13	5.4
22...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	60	--	10	--	--	130	0	--	--	19	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
05...	<10	--	0	--	--	110	1	--	--	23	.6	.5
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
09...	40	<65	20	<30	<65	130	0	<45	<110	66	.0	.5
FEB.												
04...	40	--	20	--	--	130	1	--	--	16	3.3	4.6
17...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	40	--	90	--	--	50	2	--	--	25	8.5	4.5
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
09...	20	--	30	--	--	120	2	--	--	29	1.0	1.1
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
07...	70	--	90	--	--	100	4	--	--	<17	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
02...	20	--	110	--	--	80	2	--	--	<18	18	10
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
07...	0	--	0	--	--	110	3	--	--	--	1.5	.8
AUG.												
04...	10	--	0	--	--	100	4	--	--	<9.5	.0	.2
19...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	10	--	10	--	--	120	2	--	--	--	3.2	1.7

09306430 - EVACUATION CR NR MOUTH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	PHENOLS (UG/L) (32730)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	ALDRIN (UG/L) (39330)	LINDANE (UG/L) (39340)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	TOX-APHENE (UG/L) (39400)	HEPTA-CHLOR (UG/L) (39410)
AUG., 1974												
27...	--	--	.00	.00	.0	.00	.00	.00	.00	.00	0	.00
SEP.												
17...	4	.1	--	--	--	--	--	--	--	--	--	--
OCT.												
10...	2	--	--	--	--	--	--	--	--	--	--	--
22...	3	--	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	1	--	--	--	--	--	--	--	--	--	--	--
22...	0	--	--	--	--	--	--	--	--	--	--	--
DEC.												
05...	0	--	--	--	--	--	--	--	--	--	--	--
16...	1	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
09...	6	--	--	--	--	--	--	--	--	--	--	--
FEB.												
04...	25	--	--	--	--	--	--	--	--	--	--	--
17...	0	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	7	--	--	--	--	--	--	--	--	--	--	--
17...	4	--	--	--	--	--	--	--	--	--	--	--
APR.												
09...	2	.0	.00	.00	.0	.00	.00	.00	.00	.00	0	.00
22...	4	--	--	--	--	--	--	--	--	--	--	--
MAY												
07...	4	--	--	--	--	--	--	--	--	--	--	--
20...	3	--	--	--	--	--	--	--	--	--	--	--
JUNE												
02...	8	--	--	--	--	--	--	--	--	--	--	--
24...	1	--	--	--	--	--	--	--	--	--	--	--
JULY												
07...	1	--	--	--	--	--	--	--	--	--	--	--
AUG.												
04...	2	--	--	--	--	--	--	--	--	--	--	--
19...	4	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	2	--	--	--	--	--	--	--	--	--	--	--

09306430 - EVACUATION CR NR MOUTH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
AUG., 1974									
27...	.00	.0	.00	.00	.00	3570	3390	4.82	4.86
SEP.									
17...	--	--	--	--	--	3630	3290	--	4.94
OCT.									
10...	--	--	--	--	--	3890	3570	.21	5.29
22...	--	--	--	--	--	3940	3530	1.70	5.36
NOV.									
12...	--	--	--	--	--	3870	3450	.52	5.26
22...	--	--	--	--	--	3710	3340	1.40	5.05
DEC.									
05...	--	--	--	--	--	3700	3350	.60	5.03
16...	--	--	--	--	--	3800	3520	.41	5.17
JAN., 1975									
09...	--	--	--	--	--	4020	3880	--	5.47
FEB.									
04...	--	--	--	--	--	4070	3890	.55	5.54
17...	--	--	--	--	--	3890	3780	.32	5.29
MAR.									
04...	--	--	--	--	--	2150	2020	59.8	2.92
17...	--	--	--	--	--	3500	3260	--	4.76
APR.									
09...	.00	.0	.00	.00	.00	3570	3340	12.9	4.86
22...	--	--	--	--	--	3710	3470	11.0	5.05
MAY									
07...	--	--	--	--	--	3820	3590	29.5	5.20
20...	--	--	--	--	--	3780	3410	18.4	5.14
JUNE									
02...	--	--	--	--	--	3250	3040	14.0	4.42
24...	--	--	--	--	--	3670	3480	17.8	4.99
JULY									
07...	--	--	--	--	--	3620	3420	3.62	4.92
AUG.									
04...	--	--	--	--	--	3690	3550	1.99	5.02
19...	--	--	--	--	--	2860	2830	1.08	3.89
SEP.									
08...	--	--	--	--	--	3790	3710	.82	5.15

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WATER QUALITY DATA

DATE	DIS-SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS-SOLVED NITRATE (NO3) (MG/L) (71851)	DIS-SOLVED NITRITE (NO2) (MG/L) (71856)	BROMIDE (BR) (MG/L) (71870)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
AUG., 1974							
27...	.12	1.4	.07	.3	.0	--	--
SEP.							
17...	.12	.44	.03	.2	.3	--	--
OCT.							
10...	.15	--	.00	.3	.1	<52	20
22...	.04	.00	.00	.3	--	--	--
NOV.							
12...	.14	.04	.03	.2	.2	<50	17
22...	.01	.09	.00	.3	--	--	--
DEC.							
05...	.03	.58	.10	.3	<.1	57	21
16...	.14	.35	.03	.4	--	--	--
JAN., 1975							
09...	.01	.04	.03	.4	.0	280	53
FEB.							
04...	.01	.09	.10	.3	.0	<57	14
17...	--	.04	.00	.4	--	--	--
MAR.							
04...	.13	4.4	.36	.2	.0	61	21
17...	.05	5.3	.03	.2	--	--	--
APR.							
09...	.04	6.6	.00	.3	.2	110	23
22...	.14	7.9	.03	.3	--	--	--
MAY							
07...	.03	7.4	.07	.3	.0	50	<14
20...	.04	5.7	.03	.4	--	--	--
JUNE							
02...	.01	4.7	.10	.3	.0	<39	<14
24...	.04	4.8	.07	.3	--	--	--
JULY							
07...	.04	4.1	.23	.3	.0	--	--
AUG.							
04...	.05	4.1	.10	.2	.0	<23	<7.5
19...	.00	1.5	.03	.2	--	--	--
SEP.							
08...	.04	1.8	.10	.3	.0	--	--

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WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	AIR TEMPER-ATURE (DEG C) (00020)	SURFACE AREA (SQUARE MILES) (00049)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	STAGE (FT ABOVE DATUM) (00065)	TUR-BID-ITY (JTU) (00070)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1974												
06...	1745	--	--	26.0	27.0	4020	382	--	--	--	800	7.7
27...	1130	--	750601	19.0	--	4020	275	--	--	4	900	7.0
SEP.												
10...	1500	--	--	28.5	34.0	4020	202	--	--	--	1020	7.4
17...	1100	--	--	15.0	--	4020	--	--	--	7	740	--
OCT.												
09...	1030	--	751156	11.0	--	4020	447	--	--	40	630	8.5
22...	1635	--	--	12.0	--	4020	399	--	--	--	776	--
NOV.												
12...	1100	--	751760	3.0	--	4020	415	--	--	5	775	--
21...	1500	--	--	3.4	--	4020	439	--	20	--	803	--
DEC.												
03...	1230	--	751844	.0	--	4020	238	--	20	5	855	--
16...	1031	--	--	.0	--	4020	--	--	10	--	958	--
JAN., 1975												
06...	1030	--	--	1.0	2.5	4020	255	--	5	5	800	11.6
20...	1200	--	--	.4	--	4020	495	--	20	--	800	--
FEB.												
03...	1100	--	752439	.2	--	4020	412	--	20	3	830	9.5
17...	0950	--	--	.2	--	4020	396	--	20	--	800	--
MAR.												
03...	1200	--	752674	.0	10.0	4020	595	--	300	20	890	10.5
18...	--	--	--	1.8	--	4020	--	--	300	--	906	--
APR.												
05...	1330	--	753381	--	3.0	4020	544	--	100	3	760	9.3
07...	1045	--	752940	6.0	3.0	4020	530	--	680	4	1010	8.8
07...	1047	--	752962	--	--	4020	--	--	--	--	--	--
23...	1425	--	--	13.7	--	4020	446	2.63	38	--	850	7.1
MAY												
05...	1333	--	--	10.5	3.0	4020	544	--	--	--	760	9.3
21...	1435	--	--	10.8	--	4020	--	--	800	--	636	6.4
JUNE												
02...	1240	--	753719	16.5	23.0	4020	1670	--	330	15	470	8.2
JULY												
09...	1600	--	--	22.0	--	4020	2130	--	640	35	330	6.7
09...	1602	--	760080	--	--	4020	--	--	--	--	--	--
14...	1330	.5	--	20.0	--	4020	1230	--	360	--	442	--
AUG.												
04...	1130	--	760438	20.0	28.5	4020	578	--	76	15	700	8.1
04...	1135	--	--	20.0	28.5	4020	578	--	--	--	700	8.1

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WATER QUALITY DATA

DATE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
AUG., 1974												
06...	--	8.1	3.1	198	241	--	--	--	--	--	--	--
27...	9	8.1	3.0	192	234	0	--	--	.05	.00	.04	.33
SEP.												
10...	--	8.2	2.4	196	239	--	--	--	--	--	--	--
17...	5	8.2	2.6	215	262	0	--	0	.01	.00	.00	.38
OCT.												
09...	2	8.3	1.8	184	224	0	500	0	.04	.01	--	.48
22...	0	--	--	184	224	0	--	4	.03	.00	.01	.13
NOV.												
12...	9	8.4	1.5	189	224	3	510	0	.04	.00	.06	.16
21...	5	--	--	200	244	0	--	1	.03	.00	.01	.16
DEC.												
03...	12	8.3	2.3	236	288	0	650	1	.01	.00	.01	.10
16...	8	--	--	211	257	0	--	1	.09	.00	.18	.30
JAN., 1975												
06...	7	8.3	2.2	230	280	0	620	6	.08	.01	.36	.32
20...	1	--	--	193	235	0	--	5	.09	.01	.28	.17
FEB.												
03...	7	8.2	2.5	207	252	0	560	3	.11	.01	.29	.33
17...	2	--	--	200	244	0	--	5	.19	.00	.21	.25
MAR.												
03...	20	7.9	4.6	188	229	0	570	6	.12	.01	.39	.75
18...	38	--	--	193	235	0	--	3	.06	.00	.11	.61
APR.												
05...	5	8.4	1.2	172	208	1	540	3	.02	.01	.00	.37
07...	27	8.6	1.1	221	269	0	690	1	.01	.00	.12	.94
07...	--	--	--	--	--	--	--	--	--	--	--	--
23...	9	8.0	3.9	199	243	0	--	1	.03	.00	.00	.35
MAY												
05...	--	8.4	1.2	176	215	0	--	--	--	--	--	--
21...	27	7.8	4.0	129	157	0	--	1	.03	.00	.33	1.5
JUNE												
02...	42	8.2	1.8	144	175	0	320	1	.01	.00	.15	1.6
JULY												
09...	81	8.2	1.3	107	131	0	--	2	.00	.00	.07	3.2
09...	--	--	--	--	--	--	270	--	--	--	--	--
14...	45	7.4	10	135	164	0	--	1	.00	.01	.05	3.3
AUG.												
04...	19	8.4	1.5	196	239	0	490	1	.00	.00	.01	.86
04...	--	8.4	1.5	195	224	7	--	--	--	--	--	--

09306500 - WHITE RIVER NEAR WATSON UTAH

WATER QUALITY DATA

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	CYANIDE (CN) (MG/L) (00720)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)
AUG., 1974												
06...	.24	.09	--	.03	--	--	--	--	310	110	70	32
27...	.04	.00	.03	.00	--	--	--	.1	290	98	60	34
SEP.												
10...	.13	.09	--	.03	--	--	--	--	460	260	120	39
17...	.00	.00	.04	.00	4.5	32	.00	.3	310	95	74	30
OCT.												
09...	.01	.00	.05	.00	--	--	.00	.1	270	84	66	25
22...	.01	.03	.05	.01	--	--	--	.0	270	87	67	25
NOV.												
12...	.06	.06	.03	.02	--	--	.00	.0	250	61	62	23
21...	.01	.15	.74	.05	--	--	--	.0	290	86	75	24
DEC.												
03...	.01	.03	.04	.01	--	--	.00	.0	320	84	77	31
16...	.18	.03	.06	.01	--	--	--	.3	290	79	73	26
JAN., 1975												
06...	.37	.06	.00	.02	4.1	--	.00	.1	310	77	76	28
20...	.29	.06	.05	.02	--	--	--	.0	270	81	70	24
FEB.												
03...	.30	.09	.06	.03	--	--	.00	.2	290	64	75	25
17...	.21	.12	.02	.04	--	--	--	.1	270	72	66	26
MAR.												
03...	.40	.06	.22	.02	--	--	.00	.0	290	100	67	30
18...	.11	.09	.21	.03	--	--	--	.1	300	110	70	31
APR.												
05...	.00	.06	.09	.02	--	--	.01	.0	270	95	64	26
07...	.12	.03	.22	.01	13	--	.00	.1	330	110	74	34
07...	--	--	--	--	--	--	--	--	--	--	--	--
23...	.00	.09	.13	.03	--	--	--	.1	320	120	72	33
MAY												
05...	.05	.06	--	.02	--	--	--	--	270	97	65	27
21...	.33	.03	.07	.01	--	--	--	.1	160	35	41	15
JUNE												
02...	.15	.09	.01	.03	--	--	.00	.1	190	50	46	19
JULY												
09...	.08	.00	1.1	.00	14	--	.00	.1	140	29	35	12
09...	--	--	--	--	--	--	--	--	--	--	--	--
14...	.06	.00	.63	.00	--	--	--	.0	180	40	47	14
AUG.												
04...	.01	.03	.23	.01	--	--	.00	.0	270	74	67	25
04...	.02	.00	--	.00	--	--	--	--	270	77	68	25

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WATER QUALITY DATA

DATE	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)
AUG., 1974												
06...	74	1.8	34	2.5	35	200	.3	15	--	--	--	--
27...	90	2.3	40	2.8	42	210	.4	12	2	0	<3	<10
SEP.												
10...	120	2.4	36	3.0	79	220	.4	10	--	--	--	--
17...	85	2.1	37	3.1	53	200	.4	14	2	0	0	--
OCT.												
09...	60	1.6	33	2.0	32	160	.2	14	4	0	--	--
22...	67	1.8	35	2.4	35	170	.3	12	--	--	--	--
NOV.												
12...	61	1.7	35	1.0	32	150	.2	13	1	0	--	--
21...	75	1.9	36	1.9	36	180	.3	12	--	--	--	--
DEC.												
03...	83	2.0	36	2.4	45	190	.3	15	2	<100	--	--
16...	63	1.7	34	1.6	40	160	.3	14	--	--	--	--
JAN., 1975												
06...	76	1.9	35	2.1	46	180	.3	17	1	<100	<10	<11
20...	64	1.7	34	2.1	37	150	.2	16	--	--	--	--
FEB.												
03...	69	1.8	34	2.2	40	180	.2	17	3	<100	--	--
17...	70	1.8	36	2.0	41	170	.3	15	--	--	--	--
MAR.												
03...	90	2.3	40	2.6	46	210	.3	13	0	<100	--	--
18...	84	2.1	37	2.5	48	200	.2	12	--	--	--	--
APR.												
05...	70	1.9	36	2.0	35	190	.3	11	0	0	--	--
07...	110	2.7	42	2.6	44	250	.3	12	1	<100	<10	--
07...	--	--	--	--	--	--	--	--	--	55	<2	<4
23...	84	2.1	36	2.2	41	220	.3	12	--	--	--	--
MAY												
05...	66	1.7	34	2.1	35	160	.2	12	--	--	--	--
21...	30	1.0	28	1.9	13	81	.2	11	--	--	--	--
JUNE												
02...	30	.9	25	1.5	13	86	.2	12	0	0	--	--
JULY												
09...	17	.6	21	1.3	10	59	.2	13	2	0	0	--
09...	--	--	--	--	--	--	--	--	--	130	0	<2
14...	28	.9	26	1.6	13	76	.2	14	--	--	--	--
AUG.												
04...	54	1.4	30	2.2	25	150	.3	15	1	<100	--	--
04...	55	1.5	30	2.1	27	140	.3	14	--	--	--	--

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WATER QUALITY DATA

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)
AUG., 1974												
06...	100	--	--	--	--	--	--	--	--	--	--	--
27...	90	0	0	0	2	20	2	20	4	1	<1	950
SEP.												
10...	130	--	--	--	--	--	--	--	--	--	--	--
17...	100	0	0	0	2	20	2	0	4	<1	0	1000
OCT.												
09...	130	<1	0	0	6	270	2	0	2	4	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	80	<1	0	0	0	10	0	0	2	12	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
03...	70	0	<10	1	1	40	2	0	3	3	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
06...	70	0	0	0	4	40	1	20	1	10	0	1100
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
03...	50	0	10	0	1	10	0	10	2	0	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
03...	70	0	0	0	5	20	0	30	3	0	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
05...	60	0	0	0	2	20	0	5	4	0	--	--
07...	100	0	0	0	4	30	0	0	3	3	0	990
07...	70	0	<4	<4	5	70	<4	<2	3	<4	0	1000
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
05...	60	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
02...	40	0	0	0	2	60	0	0	3	1	--	--
JULY												
09...	40	0	0	1	1	20	0	0	1	5	0	60
09...	25	<3	<2	<2	5	60	<2	4	3	3	0	360
14...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
04...	90	0	0	0	2	20	0	0	2	4	--	--
04...	90	--	--	--	--	--	--	--	--	--	--	--

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DATE	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	CHLORO-PHYLL A (UG/L) (32230)
AUG., 1974												
06...	--	--	--	--	--	--	--	--	--	--	--	--
27...	.7	10	<8	20	<4	<11	0	--	<5	<12	--	--
SEP.												
10...	--	--	--	--	--	--	--	--	--	--	--	--
17...	.6	20	--	10	--	--	13	1	--	--	--	3.2
OCT.												
09...	.6	30	--	10	--	--	0	1	--	--	3.5	.8
22...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	2.8	110	--	10	--	--	0	1	--	--	3.0	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
03...	2.2	<10	--	10	--	--	<10	1	--	--	3.6	.3
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
06...	4.2	10	<11	0	<5	<11	10	2	<8	<18	12	1.1
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
03...	.0	20	--	30	--	--	10	1	--	--	4.3	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
03...	1.6	20	--	30	--	--	30	1	--	--	6.8	2.9
18...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
05...	1.8	10	--	10	--	--	20	2	--	--	3.2	--
07...	.4	10	--	50	--	--	30	2	--	--	7.5	5.8
07...	<4.0	10	<4	110	<2	<6	20	--	2	<8	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
05...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
02...	.4	0	--	30	--	--	0	1	--	--	4.2	5.4
JULY												
09...	1.6	20	--	20	--	--	0	0	--	--	--	1.8
09...	2.0	17	<2	90	0	<2	5	--	6	<3	6.0	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
04...	2.5	0	--	20	--	--	20	1	--	--	4.1	1.8
04...	--	--	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	CHLORO-PHYLL B (UG/L) (32231)	PHENOLS (UG/L) (32730)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	ALDRIN (UG/L) (39330)	LINDANE (UG/L) (39340)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	TOX-APHENE (UG/L) (39400)
AUG., 1974												
08...	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	.00	.00	.0	.00	.00	.00	.00	.00	0
SEP.												
10...	--	--	--	--	--	--	--	--	--	--	--	--
17...	2.5	6	.0	--	--	--	--	--	--	--	--	--
OCT.												
09...	.9	0	--	--	--	--	--	--	--	--	--	--
22...	--	0	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	--	0	--	--	--	--	--	--	--	--	--	--
21...	--	1	--	--	--	--	--	--	--	--	--	--
DEC.												
03...	.5	4	--	--	--	--	--	--	--	--	--	--
16...	--	0	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
06...	.8	--	--	--	--	--	--	--	--	--	--	--
20...	--	1	--	--	--	--	--	--	--	--	--	--
FEB.												
03...	--	6	--	--	--	--	--	--	--	--	--	--
17...	--	6	--	--	--	--	--	--	--	--	--	--
MAR.												
03...	.8	1	--	--	--	--	--	--	--	--	--	--
18...	--	6	--	--	--	--	--	--	--	--	--	--
APR.												
05...	--	3	--	--	--	--	--	--	--	--	--	--
07...	.8	2	.0	.00	.00	.0	.00	.00	.00	.00	.00	0
07...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	4	--	--	--	--	--	--	--	--	--	--
MAY												
05...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	5	--	--	--	--	--	--	--	--	--	--
JUNE												
02...	3.5	4	--	--	--	--	--	--	--	--	--	--
JULY												
09...	1.2	6	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	5	--	--	--	--	--	--	--	--	--	--
AUG.												
04...	3.1	4	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA

DATE	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)
AUG., 1974												
06...	--	--	--	--	--	--	--	549	566	.75	--	--
27...	.00	.00	.0	.00	.00	.00	575	567	435	.78	.06	.18
SEP.												
10...	--	--	--	--	--	--	--	710	387	.97	--	--
17...	--	--	--	--	--	--	602	590	--	.82	.01	.00
OCT.												
09...	--	--	--	--	--	--	477	470	576	.65	.05	--
22...	--	--	--	--	--	--	510	489	549	.69	.04	.04
NOV.												
12...	--	--	--	--	--	--	471	456	528	.64	.05	.27
21...	--	--	--	--	--	--	538	525	638	.73	.04	.04
DEC.												
03...	--	--	--	--	--	--	596	586	383	.81	.01	.04
16...	--	--	--	--	--	--	527	511	--	.72	.12	.80
JAN., 1975												
06...	--	--	--	--	--	--	575	567	396	.78	.10	1.6
20...	--	--	--	--	--	--	492	481	658	.67	.12	1.2
FEB.												
03...	--	--	--	--	--	--	552	535	614	.75	.14	1.3
17...	--	--	--	--	--	--	506	512	541	.69	.24	.93
MAR.												
03...	--	--	--	--	--	--	579	574	930	.79	.15	1.7
18...	--	--	--	--	--	--	594	564	--	.81	.08	.49
APR.												
05...	--	--	--	--	--	--	513	502	754	.70	.03	.00
07...	.00	.00	.0	.00	.00	.00	676	662	967	.92	.01	.53
07...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	584	585	703	.79	.04	.00
MAY												
05...	--	--	--	--	--	--	--	494	726	.67	--	--
21...	--	--	--	--	--	--	278	272	--	.38	.04	1.5
JUNE												
02...	--	--	--	--	--	--	303	295	1370	.41	.01	.66
JULY												
09...	--	--	--	--	--	--	223	213	1280	.30	.00	.31
09...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	284	275	943	.39	.00	.22
AUG.												
04...	--	--	--	--	--	--	462	457	721	.63	.00	.04
04...	--	--	--	--	--	--	--	449	701	.61	--	--

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WATER QUALITY DATA

DATE	DIS- SOLVED NITRITE (NO2) (MG/L) (71856)	BROMIDE (BR) (MG/L) (71870)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
AUG., 1974						
06...	--	--	--	4947	--	--
27...	.00	.0	.0	4947	--	--
SEP.						
10...	--	--	--	4947	--	--
17...	.00	.1	.0	4947	--	--
OCT.						
09...	.03	.1	.0	4947	6.9	2.9
22...	.00	.1	--	4947	--	--
NOV.						
12...	.00	.1	.0	4947	<5.6	2.4
21...	.00	.1	--	4947	--	--
DEC.						
03...	.00	.1	.1	4947	8.8	3.1
16...	.00	.1	--	4947	--	--
JAN., 1975						
06...	.03	.1	.2	4947	28	9.9
20...	.03	.1	--	4947	--	--
FEB.						
03...	.03	.1	.0	4947	8.5	3.6
17...	.00	.1	--	4947	--	--
MAR.						
03...	.03	.2	.0	4947	12	5.4
18...	.00	.1	--	4947	--	--
APR.						
05...	.03	.1	.0	4947	<9.2	2.8
07...	.00	.1	.0	4947	35	9.2
07...	--	--	--	4947	--	--
23...	.00	.1	--	4947	--	--
MAY						
05...	--	--	--	4947	--	--
21...	.00	.1	--	4947	--	--
JUNE						
02...	.00	.0	.0	4947	<4.3	3.4
JULY						
09...	.03	.0	.0	4947	--	--
09...	--	--	--	4947	10	4.9
14...	.03	.0	--	4947	--	--
AUG.						
04...	.00	.1	.0	4947	9.0	3.2
04...	--	--	--	4947	--	--

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WATER QUALITY DATA

DATE	TIME	TEMPERATURE (DEG C) (00010)	SURFACE AREA (SQUARE MILES) (00049)	INSTANTANEOUS DISCHARGE (CFS) (00061)	TURBIDITY (JTU) (00070)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	DISSOLVED OXYGEN (MG/L) (00300)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)
AUG., 1975												
19...	1430	20.7	4020	450	39	--	996	--	21	8.8	.6	193
SEP.												
08...	1530	20.2	4020	320	1	5	750	15.0	8	8.5	1.1	179

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WATER QUALITY DATA

DATE	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	CYANIDE (CN) (MG/L) (00720)
AUG., 1975												
19...	223	6	0	.00	.00	.02	.38	.02	.00	.14	.00	--
SEP.												
08...	218	0	1	.00	.00	.35	.70	.35	.00	.02	.00	.00

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WATER QUALITY DATA

DATE	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
AUG., 1975												
19...	1.9	290	94	67	29	64	1.6	32	2.2	29	180	.3
SEP.												
08...	.0	270	86	60	28	70	1.9	36	2.5	36	180	.3

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WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)
AUG., 1975												
19...	13	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	8.9	1	<200	80	0	10	0	9	0	0	10	2

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WATER QUALITY DATA

DATE	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	CHLORO-PHYLL A (UG/L) (32230)	CHLORO-PHYLL B (UG/L) (32231)	PHENOLS (UG/L) (32730)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
AUG., 1975												
19...	--	--	--	--	--	--	--	--	8	497	503	604
SEP.												
08...	0	2.1	10	20	10	1	.4	.2	7	504	495	435

WATER QUALITY DATA

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_SOLVED NITRITE (NO2) (MG/L) (71856)	BROMIDE (BR) (MG/L) (71870)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)
AUG., 1975							
19...	.68	.00	.09	.00	.1	--	4947
SEP.							
08...	.69	.00	1.6	.00	.1	.1	4947

Made Primarily from Recycled Fibers

09306600 - WHITE R ABV SOUTHAM CAN NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	AIR TEMPER-ATURE (DEG C) (00020)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	STAGE (FT ABOVE DATUM) (00065)	TUR-BID-ITY (JTU) (00070)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)
AUG., 1974												
28...	1200	--	750593	18.0	--	289	--	--	5	1100	8.2	12
SEP.												
18...	1100	--	--	15.5	--	424	--	--	8	900	--	12
OCT.												
08...	1630	--	751154	14.0	--	466	--	--	5	690	--	36
23...	1330	--	--	6.8	--	461	--	--	--	791	--	4
NOV.												
14...	1245	--	--	4.0	--	456	--	--	5	790	--	13
22...	1240	--	--	3.2	--	390	--	20	--	838	--	10
DEC.												
04...	1300	--	751845	.0	--	337	--	30	5	850	--	8
16...	1340	--	--	.4	--	--	--	40	--	884	--	3
JAN., 1975												
08...	1100	--	752269	.0	--	--	--	7	5	830	--	14
21...	1400	--	--	.4	--	--	--	20	--	802	--	8
FEB.												
04...	1145	--	--	.0	-6.0	350	--	10	3	825	9.7	4
18...	1120	--	--	.1	--	400	--	20	--	700	--	4
MAR.												
04...	1230	--	--	.5	9.0	550	--	200	20	825	9.0	21
18...	--	--	--	2.0	--	--	--	500	--	924	--	45
APR.												
08...	1430	--	--	4.0	5.0	495	--	400	4	1000	10.5	36
23...	1340	--	--	13.0	--	430	3.94	38	--	850	7.4	14
MAY												
06...	1230	--	753400	7.9	--	--	--	150	5	810	8.7	13
21...	1345	--	--	10.2	--	--	--	1400	--	425	2.4	150
JUNE												
05...	1105	--	753720	--	--	--	--	--	--	--	--	--
05...	1130	--	--	15.0	16.5	2368	--	500	20	420	7.8	75
24...	1010	--	--	14.4	--	2310	--	160	--	388	4.8	27
JULY												
09...	1400	--	--	20.5	29.0	2160	--	2000	40	360	8.0	200
09...	1405	--	760018	--	--	--	--	--	--	--	--	--
09...	1410	--	760018	--	--	--	--	--	--	--	--	--
14...	1245	.5	--	20.9	--	1420	--	2000	--	442	--	81
AUG.												
06...	1430	--	760441	22.0	--	496	--	60	10	700	7.5	17
SEP.												
10...	1130	--	--	19.0	21.0	--	--	2	9	780	7.2	10

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WATER QUALITY DATA

DATE	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
AUG., 1974												
28...	8.1	3.2	208	254	0	--	--	.06	.00	.09	.26	.09
SEP.												
18...	8.0	4.2	213	260	0	--	2	.01	.00	.01	.79	.01
OCT.												
08...	7.9	4.5	183	223	0	510	180	.04	.01	--	.38	.01
23...	--	--	185	225	0	--	2	.03	.00	.00	.26	.00
NOV.												
14...	8.5	1.2	199	236	3	--	0	.03	.00	1.1	.11	1.1
22...	--	--	198	241	0	--	1	.00	.01	.00	.03	.01
DEC.												
04...	8.4	1.9	242	295	0	670	0	.01	.00	.00	.14	.00
16...	--	--	211	257	0	--	--	.04	.00	.18	.33	.18
JAN., 1975												
08...	8.2	2.7	219	267	0	600	7	.07	.00	.35	.27	.35
21...	--	--	196	239	0	--	5	.07	.01	.27	.38	.28
FEB.												
04...	8.1	3.2	204	249	0	540	3	.11	.01	.28	.31	.29
18...	--	--	199	243	0	--	6	.11	.00	.19	.38	.19
MAR.												
04...	7.8	5.6	181	221	0	520	7	.12	.04	.29	.84	.33
18...	--	--	199	243	0	--	3	.07	.01	.11	.95	.12
APR.												
08...	7.9	5.3	215	262	0	710	2	.01	.00	.11	1.2	.11
23...	8.3	2.0	203	247	0	--	2	.02	.00	.01	1.3	.01
MAY												
06...	8.2	2.1	174	212	0	560	2	.02	.00	.01	.62	.01
21...	--	--	126	153	0	--	3	.02	.00	.32	4.6	.32
JUNE												
05...	--	--	--	--	--	270	--	--	--	--	--	--
05...	8.0	2.4	126	153	0	--	2	.06	.03	.19	2.4	.22
24...	8.8	.4	130	158	0	--	5	.04	.02	.09	1.1	.11
JULY												
09...	8.1	1.7	126	154	0	--	2	.00	.02	.14	7.6	.16
09...	--	--	--	--	--	350	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
14...	7.2	17	141	172	0	--	E1	.00	.01	.08	1.6	.09
AUG.												
06...	8.2	2.4	193	235	0	490	0	.04	.01	.04	.47	.05
SEP.												
10...	8.4	1.5	193	233	1	--	0	.00	.00	.01	.30	.01

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WATER QUALITY DATA

DATE	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO-PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	CYANIDE (CN) (MG/L) (00720)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)
AUG., 1974												
28...	.00	.08	.00	--	--	--	.3	320	110	68	36	130
SEP.												
18...	.00	.05	.00	7.0	17	.00	.2	310	100	76	30	72
OCT.												
08...	.00	.06	.00	--	--	.00	.2	260	81	66	24	60
23...	.00	.05	.00	--	--	--	.1	270	81	65	25	68
NOV.												
14...	.12	.02	.04	--	--	.00	.0	270	69	66	25	66
22...	.06	.05	.02	--	--	--	.0	280	80	70	25	66
DEC.												
04...	.03	.05	.01	--	--	.00	.0	340	94	83	31	88
16...	.15	.11	.05	--	--	--	.2	290	83	73	27	68
JAN., 1975												
08...	.06	.00	.02	3.1	--	.00	.1	320	98	82	27	69
21...	.06	.05	.02	--	--	--	.0	260	68	68	23	63
FEB.												
04...	.06	.07	.02	--	--	.00	.2	280	79	72	25	65
18...	.09	.08	.03	--	--	--	.0	270	75	67	26	70
MAR.												
04...	.03	.23	.01	--	--	.00	.1	270	89	62	28	77
18...	.09	.26	.03	--	--	--	.2	310	110	70	32	82
APR.												
08...	.00	.48	.00	8.0	--	.00	1.3	340	120	76	35	100
23...	.09	.25	.03	--	--	--	.0	320	110	72	33	83
MAY												
06...	.03	.19	.01	--	--	.01	.0	280	100	64	28	75
21...	.06	1.4	.02	--	--	--	.2	180	52	43	17	30
JUNE												
05...	--	--	--	--	--	--	--	--	--	--	--	--
05...	.12	1.7	.04	--	--	.00	.1	160	36	40	15	28
24...	.18	.49	.06	--	--	--	.0	170	42	44	15	21
JULY												
09...	.00	.68	.00	48	--	.00	.0	170	39	43	14	32
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
14...	.03	1.9	.01	--	--	--	.2	170	26	42	15	36
AUG.												
06...	.06	.47	.02	--	--	.00	.0	260	68	65	24	55
SEP.												
10...	.00	.05	.00	--	--	.00	.0	280	84	63	29	74

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WATER QUALITY DATA

DATE	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)
AUG., 1974												
28...	3.2	47	5.0	120	220	.3	11	2	0	<3	<12	130
SEP.												
18...	1.8	33	3.0	39	190	.3	14	2	0	0	--	90
OCT.												
08...	1.6	33	2.0	33	160	.2	14	2	0	--	--	90
23...	1.8	36	2.3	40	170	.2	12	--	--	--	--	--
NOV.												
14...	1.8	35	1.1	34	160	.2	13	1	0	--	--	70
22...	1.7	34	1.8	35	170	.2	12	--	--	--	--	--
DEC.												
04...	2.1	36	2.5	50	200	.3	15	2	<100	<1	<4	70
16...	1.7	33	1.8	41	160	.3	14	--	--	--	--	--
JAN., 1975												
08...	1.7	32	2.1	44	180	.2	17	1	<100	<10	<10	60
21...	1.7	34	2.3	37	160	.2	16	--	--	--	--	--
FEB.												
04...	1.7	33	1.8	39	170	.2	16	2	<100	--	--	50
18...	1.8	36	1.8	39	170	.3	14	--	--	--	--	--
MAR.												
04...	2.0	38	2.8	39	180	.2	12	0	100	--	--	70
18...	2.0	37	2.5	43	200	.2	12	--	--	--	--	--
APR.												
08...	2.4	39	2.6	47	260	.0	12	2	<100	<10	--	90
23...	2.0	36	2.5	42	220	.3	12	--	--	--	--	--
MAY												
06...	2.0	37	2.1	42	190	.2	11	1	0	--	--	70
21...	1.0	27	2.0	14	83	.2	11	--	--	--	--	--
JUNE												
05...	--	--	--	--	--	--	--	--	--	--	--	--
05...	1.0	27	1.5	11	66	.2	11	2	0	--	--	40
24...	.7	21	1.3	8.6	75	.2	17	--	--	--	--	--
JULY												
09...	1.1	29	2.0	12	91	.3	13	0	100	0	--	40
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	65	0	<2	40
14...	1.2	32	2.1	13	88	.3	14	--	--	--	--	--
AUG.												
06...	1.5	31	2.4	26	150	.3	15	1	<100	--	--	90
SEP.												
10...	1.9	37	2.4	37	190	.3	8.4	0	<200	--	--	90

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WATER QUALITY DATA

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)
AUG., 1974												
28...	0	0	0	1	30	1	20	4	<1	<2	1000	.4
SEP.												
18...	0	0	0	1	40	1	0	3	1	1	1100	.8
OCT.												
08...	0	0	0	0	100	2	0	5	4	--	--	1.4
23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
14...	<1	0	0	1	10	0	0	2	16	--	--	2.6
22...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
04...	1	<10	1	5	60	0	0	3	7	0	1300	1.6
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
08...	0	0	0	0	10	0	10	1	8	0	980	4.8
21...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
04...	0	20	0	160	10	0	10	0	0	--	--	.0
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	0	0	0	120	40	1	10	3	1	--	--	1.8
18...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
08...	0	0	1	120	80	3	0	3	2	0	1000	.3
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
06...	0	0	0	2	40	0	5	4	1	--	--	1.7
21...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
03...	--	--	--	--	--	--	--	--	--	--	--	--
05...	0	0	0	6	90	0	0	1	2	--	--	.4
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
09...	1	0	1	11	40	4	0	2	6	0	590	2.0
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	<4	<2	<2	5	130	<2	3	4	4	0	420	3.0
14...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	1	0	0	3	10	5	0	2	6	--	--	2.2
SEP.												
10...	0	0	0	3	0	0	0	2	2	--	--	1.7

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WATER QUALITY DATA

DATE	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	CHLORO-PHYLL A (UG/L) (32230)	CHLORO-PHYLL B (UG/L) (32231)
AUG., 1974												
28...	0	<10	0	<5	<14	60	--	<7	<15	--	--	--
SEP.												
13...	10	--	20	--	--	13	1	--	--	--	4.2	2.7
OCT.												
08...	10	--	0	--	--	0	2	--	--	6.1	.9	.0
23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
14...	10	--	10	--	--	0	1	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
04...	<10	<4	0	<2	<4	<10	4	<3	<9	3.9	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
08...	10	<10	0	<5	<10	10	2	<8	<20	9.6	1.6	2.9
21...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
04...	30	--	30	--	--	10	2	--	--	2.0	.0	.0
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	20	--	40	--	--	20	2	--	--	3.8	4.2	5.6
18...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
08...	30	--	80	--	--	30	2	--	--	4.3	7.1	.8
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
06...	10	--	30	--	--	20	2	--	--	4.1	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
05...	--	--	--	--	--	--	--	--	--	3.5	--	--
05...	0	--	80	--	--	0	0	--	--	--	7.9	3.1
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
09...	20	--	30	--	--	0	0	--	--	--	11	12
09...	--	--	--	--	--	--	--	--	--	2.8	--	--
09...	7	<2	200	0	<2	7	--	10	<3	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	0	--	20	--	--	0	1	--	--	3.6	--	--
SEP.												
10...	10	--	30	--	--	10	1	--	--	--	--	--

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WATER QUALITY DATA

DATE	PHENOLS (UG/L) (32730)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	ALDRIN (UG/L) (39330)	LINDANE (UG/L) (39340)	CHLORDANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DIELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	TOXAPHENE (UG/L) (39400)	HEPTACHLOR (UG/L) (39410)
AUG., 1974												
28...	--	--	.00	.00	.0	.00	.00	.00	.00	.00	0	.00
SEP.												
16...	1	.0	--	--	--	--	--	--	--	--	--	--
OCT.												
08...	3	--	--	--	--	--	--	--	--	--	--	--
23...	2	--	--	--	--	--	--	--	--	--	--	--
NOV.												
14...	0	--	--	--	--	--	--	--	--	--	--	--
22...	1	--	--	--	--	--	--	--	--	--	--	--
DEC.												
04...	1	--	--	--	--	--	--	--	--	--	--	--
16...	2	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
08...	2	--	--	--	--	--	--	--	--	--	--	--
21...	5	--	--	--	--	--	--	--	--	--	--	--
FEB.												
04...	7	--	--	--	--	--	--	--	--	--	--	--
18...	0	--	--	--	--	--	--	--	--	--	--	--
MAR.												
04...	7	--	--	--	--	--	--	--	--	--	--	--
18...	7	--	--	--	--	--	--	--	--	--	--	--
APR.												
08...	5	.0	.00	.00	.0	.00	.00	.00	.00	.00	0	.00
23...	6	--	--	--	--	--	--	--	--	--	--	--
MAY												
06...	4	--	--	--	--	--	--	--	--	--	--	--
21...	7	--	--	--	--	--	--	--	--	--	--	--
JUNE												
05...	--	--	--	--	--	--	--	--	--	--	--	--
03...	4	--	--	--	--	--	--	--	--	--	--	--
24...	3	--	--	--	--	--	--	--	--	--	--	--
JULY												
09...	14	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
14...	8	--	--	--	--	--	--	--	--	--	--	--
AUG.												
06...	2	--	--	--	--	--	--	--	--	--	--	--
SEP.												
10...	1	--	--	--	--	--	--	--	--	--	--	--

09306600 - WHITE R ABV SOUTHAM CAN NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
AUG., 1974									
28...	.00	.0	.00	.00	.00	717	717	559	.98
SEP.									
18...	--	--	--	--	--	549	554	--	.75
OCT.									
08...	--	--	--	--	--	475	470	598	.65
23...	--	--	--	--	--	503	494	626	.68
NOV.									
14...	--	--	--	--	--	508	490	625	.69
22...	--	--	--	--	--	522	499	550	.71
DEC.									
04...	--	--	--	--	--	623	617	567	.85
15...	--	--	--	--	--	533	513	--	.72
JAN., 1975									
08...	--	--	--	--	--	563	556	--	.77
21...	--	--	--	--	--	499	489	--	.68
FEB.									
04...	--	--	--	--	--	535	514	506	.73
18...	--	--	--	--	--	515	509	556	.70
MAR.									
04...	--	--	--	--	--	527	512	783	.72
18...	--	--	--	--	--	586	563	--	.80
APR.									
08...	.00	.0	.00	.00	.00	674	665	901	.92
23...	--	--	--	--	--	591	587	686	.80
MAY									
06...	--	--	--	--	--	536	517	--	.73
21...	--	--	--	--	--	291	277	--	.40
JUNE									
05...	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	246	250	1590	.33
24...	--	--	--	--	--	245	261	1530	.33
JULY									
09...	--	--	--	--	--	289	285	1690	.39
09...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	319	296	1220	.43
AUG.									
06...	--	--	--	--	--	468	454	627	.64
SEP.									
10...	--	--	--	--	--	522	520	--	.71

09306600 - WHITE R ABV SOUTHAM CAN NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS- SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS- SOLVED NITRATE (NO3) (MG/L) (71851)	DIS- SOLVED NITRITE (NO2) (MG/L) (71856)	BROMIDE (BR) (MG/L) (71870)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
AUG., 1974							
28...	.08	.40	.00	.4	.0	--	--
SEP.							
18...	.01	.04	.00	.0	.4	--	--
OCT.							
08...	.05	--	.03	.0	.0	9.7	5.0
23...	.04	.00	.00	.1	--	--	--
NOV.							
14...	.04	4.9	.00	.1	.0	--	--
22...	.00	.00	.03	.1	--	--	--
DEC.							
04...	.01	.00	.00	.1	<.1	7.4	3.1
16...	.05	.80	.00	.3	--	--	--
JAN., 1975							
08...	.09	1.6	.00	.1	.3	25	8.0
21...	.09	1.2	.03	.1	--	--	--
FEB.							
04...	.14	1.2	.03	.1	.1	<8.1	1.6
18...	.14	.84	.00	.1	--	--	--
MAR.							
04...	.15	1.3	.13	.1	.0	<7.1	3.1
18...	.09	.49	.03	.1	--	--	--
APR.							
08...	.01	.49	.00	.1	.0	9.5	5.3
23...	.03	.04	.00	.1	--	--	--
MAY							
06...	.03	.04	.00	.2	.0	12	3.4
21...	.03	1.4	.00	.1	--	--	--
JUNE							
05...	--	--	--	--	--	3.8	2.9
05...	.08	.84	.10	.0	.2	--	--
24...	.05	.40	.07	.0	--	--	--
JULY							
09...	.00	.62	.07	.0	.0	--	--
09...	--	--	--	--	--	<3.8	2.3
09...	--	--	--	--	--	--	--
14...	.00	.35	.03	.0	--	--	--
AUG.							
06...	.05	.18	.03	.1	.0	6.4	2.8
SEP.							
10...	.00	.04	.00	.1	.0	--	--

09306625 - ASPHALT WASH AT MOUTH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	TUR-BID-ITY (JTU) (00070)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)
AUG., 1975											
14...	1400	2300	189	230	.00	.06	3.4	4.4	3.5	.34	5.9

09306625 - ASPHALT WASH AT MOUTH NR WATSON UT

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)
AUG., 1975										
14...	.11	.2	68	0	19	4.9	84	4.4	71	5.5

PROCESS DATE 11/05/75

09306625 - ASPHALT WASH AT MOUTH NR WATSON UT

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
AUG., 1975										
14...	12	34	.5	14	37	280	45	240	340	120

09306625 - ASPHALT WASH AT MOUTH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)
AUG., 1975										
14...	90	40	1	351	305	.48	.00	15	.20	.0

PROCESS DATE 11/05/75

09306700 - WHITE R BLW ASPHALT WASH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	AIR TEMPER-ATURE (DEG C) (00020)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	STAGE (FT ABOVE DATUM) (00065)	TUR-BID-ITY (JTU) (00070)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)
AUG., 1974												
28...	1430	--	750594	19.0	--	288	--	--	4	1650	8.2	9
SEP.												
18...	1430	--	--	19.0	--	424	--	--	7	925	--	16
OCT.												
08...	1200	--	751155	11.5	--	464	--	--	20	650	--	4
23...	1648	--	--	--	--	463	--	--	--	831	--	16
NOV.												
13...	1350	--	--	14.4	--	415	--	--	7	730	--	10
22...	1500	--	--	4.0	--	382	--	9	--	742	--	10
DEC.												
03...	1210	--	751846	.0	--	273	--	40	3	920	--	15
17...	1230	--	--	.4	--	--	--	20	--	880	--	4
JAN., 1975												
07...	1230	--	752267	.5	--	--	--	8	8	900	--	10
20...	1035	--	--	.4	--	495	--	10	--	800	--	2
FEB.												
03...	1230	--	--	.0	-3.0	400	--	10	0	825	10.2	4
16...	1125	--	--	.1	--	400	--	20	--	824	--	9
MAR.												
03...	1230	--	--	1.0	12.0	550	--	400	10	820	9.6	16
18...	1015	4.2	--	1.7	--	--	--	400	--	962	--	33
APR.												
04...	1130	--	--	5.5	17.0	376	--	110	2	910	9.7	31
23...	1220	--	--	12.7	--	435	4.15	39	--	900	7.9	13
MAY												
15...	1700	--	--	18.0	--	915	--	760	15	640	6.8	23
21...	1015	--	--	10.1	--	--	--	110	--	425	3.8	8
JUNE												
04...	1200	--	--	16.2	21.7	2290	--	510	10	400	7.7	24
04...	1205	--	753721	--	--	--	--	--	--	--	--	--
24...	1317	--	--	14.4	--	2177	--	180	--	382	--	28
JULY												
08...	1200	--	--	20.0	--	2262	--	320	30	320	7.8	40
14...	1155	.5	--	20.0	--	1320	--	77000	--	2220	--	4900
AUG.												
07...	1500	--	760226	21.0	--	486	--	56	15	710	7.2	12

09306700 - WHITE R BLW ASPHALT WASH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
AUG., 1974												
28...	8.2	2.5	205	250	0	--	--	.13	.00	.03	.45	.03
SEP.												
18...	8.4	1.7	217	265	0	--	0	.01	.00	.00	.90	.00
OCT.												
08...	7.9	4.7	189	231	0	510	0	.02	.01	--	.31	.00
23...	--	--	186	227	0	--	2	.03	.01	.00	.37	.01
NOV.												
13...	8.6	1.0	199	233	5	--	2	.08	.00	.01	.06	.01
22...	--	--	196	239	0	--	1	.01	.00	.03	.04	.03
DEC.												
03...	8.4	1.8	230	280	0	630	1	.03	.01	.01	.07	.02
17...	--	--	212	258	0	--	3	.04	.00	.20	.25	.20
JAN., 1975												
07...	7.8	7.0	227	277	0	610	6	.09	.01	.34	.43	.35
20...	--	--	194	237	0	--	5	.07	.00	.29	.34	.29
FEB.												
03...	8.4	1.6	203	248	0	570	3	.11	.01	.28	.40	.29
16...	--	--	201	245	0	--	6	.10	.00	.20	.36	.20
MAR.												
03...	--	--	183	223	0	570	7	.15	.02	.52	.59	.54
18...	--	--	200	244	0	--	3	.06	.00	.13	.54	.13
APR.												
04...	8.3	2.0	209	255	0	650	2	.02	.00	.08	.38	.08
23...	--	--	208	253	0	--	1	.00	.00	.00	.39	.00
MAY												
15...	7.6	8.2	167	204	0	450	1	.00	.00	.09	.45	.09
21...	--	--	133	162	0	--	1	.03	.01	.38	2.5	.39
JUNE												
04...	8.0	2.5	129	157	0	--	1	.01	.01	.18	1.2	.19
04...	--	--	--	--	--	270	--	--	--	--	--	--
24...	--	--	123	150	--	--	5	.03	.03	.09	.72	.12
JULY												
08...	7.7	4.0	103	125	0	--	2	.00	.00	.09	1.6	.10
14...	7.4	20	254	310	0	--	--	.03	.04	1.2	.91	1.2
AUG.												
07...	8.3	1.9	191	233	0	--	0	.00	.01	.01	.47	.02

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WATER QUALITY DATA

DATE	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	CYANIDE (CN) (MG/L) (00720)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)
AUG., 1974												
28...	.03	.05	.01	--	--	--	.0	320	120	70	36	180
SEP.												
18...	.00	.19	.00	7.7	33	.00	.1	320	100	76	31	74
OCT.												
08...	.00	.07	.00	--	--	.00	.2	280	88	70	25	54
23...	.03	.08	.01	--	--	--	.1	250	65	61	24	73
NOV.												
13...	.06	.03	.02	--	--	.00	.0	270	68	66	25	67
22...	.03	.06	.01	--	--	--	.0	290	90	75	24	64
DEC.												
03...	.06	.06	.02	--	--	.00	.0	330	95	79	31	83
17...	.09	.06	.03	--	--	--	.2	300	87	75	27	70
JAN., 1975												
07...	.06	.00	.02	6.5	--	.00	.1	320	97	83	28	74
20...	.06	.04	.02	--	--	--	.2	280	83	70	25	61
FEB.												
03...	.06	.05	.02	--	--	.00	.1	300	95	75	27	71
16...	.09	.06	.03	--	--	--	.0	280	83	69	27	71
MAR.												
03...	.03	.13	.01	--	--	.00	.0	290	100	69	28	85
18...	.09	.20	.03	--	--	--	.0	310	110	71	33	84
APR.												
04...	.00	.11	.00	4.5	--	.00	1.3	320	110	76	32	90
23...	.12	.15	.04	--	--	--	.1	320	110	73	34	85
MAY												
15...	.03	.05	.01	--	--	.01	.1	230	64	58	21	50
21...	.03	.06	.01	--	--	--	.0	170	38	42	16	32
JUNE												
04...	.12	.61	.04	--	--	.00	.2	160	31	41	14	25
04...	--	--	--	--	--	--	--	--	--	--	--	--
24...	.03	.29	.01	--	--	--	.0	180	58	46	16	27
JULY												
08...	.00	.34	.00	8.8	--	.00	.0	140	33	36	11	22
14...	.00	.17	.00	--	--	--	.1	760	500	190	69	270
AUG.												
07...	.03	.36	.01	--	--	.00	.1	270	77	66	25	55

09306700 - WHITE R BLW ASPHALT WASH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)
AUG., 1974												
28...	4.4	54	6.1	230	210	.3	11	0	0	<4	<15	190
SEP.												
18...	1.8	33	3.1	42	200	.3	14	2	0	0	--	100
OCT.												
08...	1.4	30	1.9	34	160	.2	13	2	0	--	--	90
23...	2.0	38	2.4	50	170	.2	12	--	--	--	--	--
NOV.												
13...	1.8	35	1.1	34	160	.3	13	1	0	--	--	90
22...	1.6	33	1.8	36	160	.2	12	--	--	--	--	--
DEC.												
03...	2.0	36	2.3	45	190	.3	14	2	<100	--	--	70
17...	1.8	34	1.8	41	170	.3	15	--	--	--	--	--
JAN., 1975												
07...	1.8	33	2.1	47	190	.2	17	0	<100	<10	<11	60
20...	1.6	32	2.1	37	170	.2	16	--	--	--	--	--
FEB.												
03...	1.6	34	2.1	42	200	.2	16	3	<100	--	--	90
16...	1.8	35	1.8	39	170	.3	15	--	--	--	--	--
MAR.												
03...	2.2	39	2.6	58	190	.3	13	0	<100	--	--	70
18...	2.1	37	2.5	42	220	.1	12	--	--	--	--	--
APR.												
04...	2.2	38	3.2	44	220	.1	13	1	<100	<10	--	80
23...	2.1	36	2.1	43	220	.3	12	--	--	--	--	--
MAY												
15...	1.4	32	2.1	24	130	.2	13	2	0	--	--	60
21...	1.1	29	2.0	12	95	.2	11	--	--	--	--	--
JUNE												
04...	.9	25	1.4	11	68	.2	11	0	0	--	--	20
04...	--	--	--	--	--	--	--	--	--	--	--	--
24...	.9	24	1.3	9.5	100	.2	15	--	--	--	--	--
JULY												
08...	.8	26	1.4	9.3	63	.2	12	2	0	0	--	50
14...	4.3	43	9.6	18	1100	.6	12	--	--	--	--	--
AUG.												
07...	1.5	31	2.3	27	150	.3	14	2	140	<1	<6	60

09306700 - WHITE R BLW ASPHALT WASH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)
AUG., 1974												
28...	0	0	0	4	20	0	0	4	<1	<2	1300	.6
SEP.												
18...	0	0	0	2	20	2	0	3	1	0	1100	.5
OCT.												
08...	1	0	0	1	100	7	0	3	4	--	--	1.8
23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	0	0	0	3	20	0	0	4	16	--	--	.0
22...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
03...	0	<10	1	7	140	1	0	3	13	--	--	2.2
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
07...	0	0	0	1	20	0	10	1	8	0	1000	1.5
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
03...	0	10	0	4	10	1	10	2	2	--	--	.0
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
03...	0	0	0	340	20	1	0	3	0	--	--	2.0
18...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
04...	0	0	0	110	10	2	0	2	3	0	1000	1.1
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
15...	0	0	0	2	50	1	10	3	1	--	--	.3
21...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
04...	0	0	0	4	70	0	0	2	3	--	--	.0
04...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
08...	0	0	1	13	40	1	0	1	6	0	60	1.4
14...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
07...	0	8	<2	6	3500	5	83	8	13	0	670	15

09306700 - WHITE R BLW ASPHALT WASH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	CHLORO-PHYLL A (UG/L) (32230)	CHLORO-PHYLL B (UG/L) (32231)
AUG., 1974												
28...	10	<12	10	<6	<17	110	--	<8	<18	--	--	--
SEP.												
18...	10	--	20	--	--	13	2	--	--	--	4.9	2.5
OCT.												
08...	30	--	10	--	--	0	1	--	--	2.8	1.5	.1
23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	130	--	30	--	--	0	1	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
03...	10	--	10	--	--	<10	1	--	--	3.0	.0	.0
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
07...	30	<11	0	<5	<11	10	2	<8	<20	4.3	2.2	2.1
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
03...	20	--	60	--	--	10	1	--	--	2.5	6.0	8.4
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
03...	30	--	<10	--	--	30	2	--	--	5.3	1.4	.0
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
04...	20	--	40	--	--	20	2	--	--	6.4	1.3	.5
23...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
15...	6	--	30	--	--	10	1	--	--	3.9	2.1	.2
21...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
04...	0	--	50	--	--	0	1	--	--	--	13	7.6
04...	--	--	--	--	--	--	--	--	--	3.8	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
08...	0	--	30	--	--	0	0	--	--	--	6.4	9.9
14...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
07...	10	<6	6000	<2	<4	10	1	600	20	--	2.1	3.3

09306700 - WHITE R BLW ASPHALT WASH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	PHENOLS (UG/L) (32730)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	ALDRIN (UG/L) (39330)	LINDANE (UG/L) (39340)	CHLORDANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DIELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	TOXAPHENE (UG/L) (39400)	HEPTACHLOR (UG/L) (39410)
AUG., 1974												
28...	--	--	.00	.00	.0	.00	.00	.00	.00	.00	0	.00
SEP.												
18...	1	.0	--	--	--	--	--	--	--	--	--	--
OCT.												
08...	0	--	--	--	--	--	--	--	--	--	--	--
23...	3	--	--	--	--	--	--	--	--	--	--	--
NOV.												
13...	2	--	--	--	--	--	--	--	--	--	--	--
22...	0	--	--	--	--	--	--	--	--	--	--	--
DEC.												
03...	2	--	--	--	--	--	--	--	--	--	--	--
17...	3	--	--	--	--	--	--	--	--	--	--	--
JAN., 1975												
07...	14	--	--	--	--	--	--	--	--	--	--	--
20...	5	--	--	--	--	--	--	--	--	--	--	--
FEB.												
03...	5	--	--	--	--	--	--	--	--	--	--	--
16...	0	--	--	--	--	--	--	--	--	--	--	--
MAR.												
03...	5	--	--	--	--	--	--	--	--	--	--	--
18...	8	--	--	--	--	--	--	--	--	--	--	--
APR.												
04...	2	--	.00	.00	.0	.00	.00	.00	.00	.00	0	.00
23...	3	--	--	--	--	--	--	--	--	--	--	--
MAY												
15...	3	--	--	--	--	--	--	--	--	--	--	--
21...	5	--	--	--	--	--	--	--	--	--	--	--
JUNE												
04...	5	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--	--
24...	2	--	--	--	--	--	--	--	--	--	--	--
JULY												
08...	4	--	--	--	--	--	--	--	--	--	--	--
14...	9	--	--	--	--	--	--	--	--	--	--	--
AUG.												
07...	7	--	--	--	--	--	--	--	--	--	--	--

09306700 - WHITE R BLW ASPHALT WASH NR WATSON UT DISTRICT CODE 49

WATER QUALITY DATA

DATE	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	PCB (UG/L) (39516)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
AUG., 1974									
28...	.00	.0	.00	.00	.00	892	868	694	1.21
SEP.									
18...	--	--	--	--	--	596	573	--	.81
OCT.									
05...	--	--	--	--	--	465	473	583	.63
23...	--	--	--	--	--	525	505	656	.71
NOV.									
13...	--	--	--	--	--	509	487	570	.69
22...	--	--	--	--	--	464	491	479	.63
DEC.									
03...	--	--	--	--	--	606	583	447	.82
17...	--	--	--	--	--	530	529	--	.72
JAN., 1975									
07...	--	--	--	--	--	586	581	--	.80
20...	--	--	--	--	--	502	500	671	.68
FEB.									
03...	--	--	--	--	--	620	558	670	.84
16...	--	--	--	--	--	527	515	569	.72
MAR.									
03...	--	--	--	--	--	582	559	864	.79
18...	--	--	--	--	--	644	586	--	.88
APR.									
04...	.00	.0	.00	.00	.00	615	607	624	.84
23...	--	--	--	--	--	598	594	702	.81
MAY									
15...	--	--	--	--	--	408	400	1010	.55
21...	--	--	--	--	--	293	292	--	.40
JUNE									
04...	--	--	--	--	--	256	250	1580	.35
04...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	308	290	1610	.42
JULY									
05...	--	--	--	--	--	223	217	1360	.30
14...	--	--	--	--	--	1950	1830	6950	2.65
AUG.									
07...	--	--	--	--	--	467	466	613	.64

09306700 - WHITE R BLW ASPHALT WASH NR WATSON UT DISTRICT CODE 49

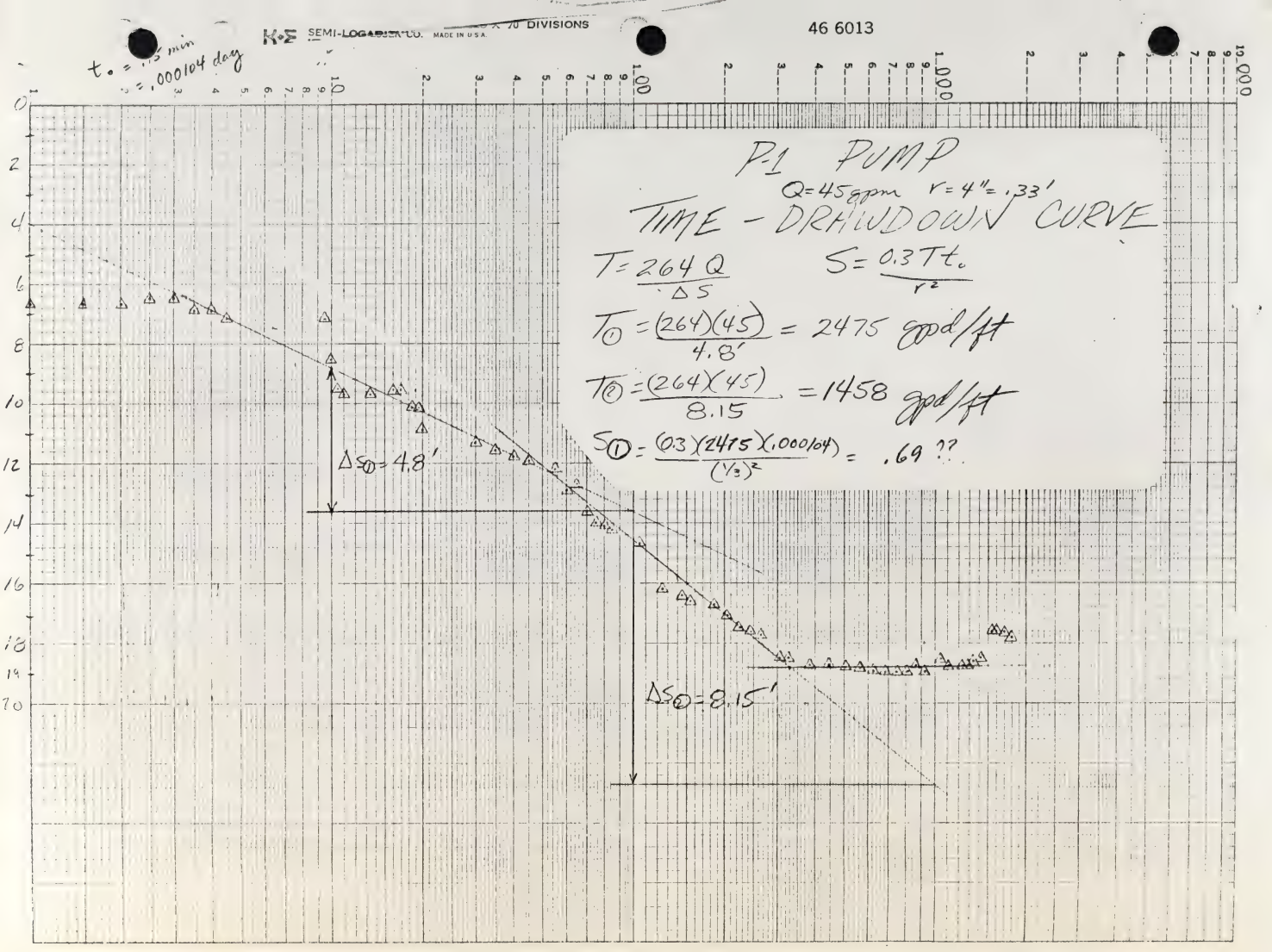
WATER QUALITY DATA

DATE	DIS- SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS- SOLVED NITRATE (NO3) (MG/L) (71851)	DIS- SOLVED NITRITE (NO2) (MG/L) (71856)	BROMIDE (BR) (MG/L) (71870)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
AUG., 1974							
28...	.17	.13	.00	.9	.0	--	--
SEP.							
18...	.01	.00	.00	.0	.3	--	--
OCT.							
08...	.03	--	.03	.7	.0	<6.9	2.3
23...	.04	.00	.03	.1	--	--	--
NOV.							
13...	.10	.04	.00	.1	.0	--	--
22...	.01	.13	.00	.1	--	--	--
DEC.							
03...	.04	.04	.03	.1	<.1	<6.8	2.4
17...	.05	.89	.00	.1	--	--	--
JAN., 1975							
07...	.12	1.5	.03	.1	.2	12	3.6
20...	.09	1.3	.00	.0	--	--	--
FEB.							
03...	.14	1.2	.03	.1	.0	<8.5	2.1
16...	.13	.89	.00	.1	--	--	--
MAR.							
03...	.19	2.3	.07	.2	.0	<7.6	4.2
18...	.06	.58	.00	.1	--	--	--
APR.							
04...	.03	.35	.00	.1	.0	31	7.2
23...	.00	.00	.00	.1	--	--	--
MAY							
15...	.00	.40	.00	.1	.0	9.0	3.4
21...	.04	1.7	.03	.0	--	--	--
JUNE							
04...	.01	.30	.03	.0	.0	--	--
04...	--	--	--	--	--	3.8	3.2
24...	.04	.40	.10	.0	--	--	--
JULY							
08...	.00	.40	.03	.0	.0	--	--
14...	.04	5.1	.13	.1	--	--	--
AUG.							
07...	.00	.04	.03	.1	.0	--	--

PRINT REPEATED - BY OPERATOR

C. GROUND WATER

1. AQUIFER PUMP TESTS


K+E SEMI-LOGARITHMIC 46 6013 70 DIVISIONS MADE IN U.S.A.
t₀ = 1.5 min
= .000104 day
P-1 PUMP
Q=45 gpm r=4" = .33'
TIME - DRAWDOWN CURVE
T = 264 Q / ΔS
S = 0.3 T t₀ / r²
T① = (264)(45) / 4.8' = 2475 gpd/ft
T② = (264)(45) / 8.15 = 1458 gpd/ft
S① = (0.3)(2475)(.000104) / (1/3)² = .69 ??
ΔS① = 4.8'
ΔS② = 8.15'

P-1 Pump Test

Pumping Well

t	HL (psi)	s (psi)	s (ft.)
0	46.1	0	
.5	44.5	1.6	3.696
1	43.2	2.9	6.7
1.5	43.2	2.9	6.7
2	43.2	2.9	6.7
2.5	43.3	2.8	6.47
3	43.3	2.8	6.47
3.5	43.1	3.0	6.93
4	43.1	3.0	6.93
4.5	43.0	3.1	7.16
5	43.0		
5.5	43.0		
6	43.0		
6.5	43.0		
7	43.0		
7.5	43.0		
8	43.0		
9½	43.0	3.1	7.16
10	42.5	3.7	8.55
10.5	42.0	4.1	9.47
11	41.9	4.2	9.7
11.5			
12	41.9	4.2	
13.5	41.9	4.2	9.7
16	42	4.1	9.47
17	42	4.1	9.47
18.5	41.7	4.4	10.16
19.	41.9	4.2	9.7
19.5	41.7	4.4	10.16
20	41.4	4.7	10.86
30	41.2	4.9	11.32
35	41.1	5.0	11.55
40	41.0	5.1	11.78
45	40.95	5.15	11.90
55	40.8	5.3	12.24
60	40.51	5.59	12.91
65	40.45	5.65	12.7

t	WL (psi)	s (psi)	s (ft)
20	40.2	5.9	13.6
75	40.05	6.05	13.98
80	40	6.1	14.09
85	39.95	6.15	14.20
105	39.72	6.38	14.74
125	39.1	7.0	16.17
145	39	7.1	16.40
165	38.91	7.19	16.61
185	38.89	7.21	16.66
205	38.71	7.39	17.07
225	38.6	7.5	17.32
245	38.5	7.6	17.56
265	38.45	7.65	17.67
285	38.2	7.9	18.25
305	38.1	8.0	18.48
325	38.1	8.0	18.48
85	38.0	8.1	18.71
445	38	8.1	18.71
505	37.95	8.15	18.82
565	37.95	8.15	18.83
625	37.9	8.2	18.9
685	37.9		
745	37.9		
805	37.9	8.2	18.9
865	38	8.1	18.71
925	37.9	8.2	18.9
985	37.3	8.8	20.3
1045	38.1	8.0	18.48
1105	38	8.1	18.71
1165	38	8.1	
1230	38	8.1	
1287	38	8.1	18.71
1345	38.06	8.04	18.57
1405	38.1	8.0	18.48
1465	38.4	7.7	17.79
1540	38.5	7.6	17.56
1600	38.5		
1660	38.5		
[illegible]	[illegible]	7.6	17.56

Recovery P1 - Pump

+1800

SWL = 46.1 psi
48

t	WL (psi)	s (psi)	s (ft)
½	39.2	8.8	20.33
1	40	8	18.48
1.5	40.1	7.9	18.25
2	40.5	7.5	17.33
2.5	40.9	7.1	16.4
3	41.0	7	16.17
3.5	41.0	7	16.17
4	41.08	6.92	15.99
4.5	41.1	6.9	15.94
5	41.1	6.9	
5.5	41.1	6.9	15.94
6	41.14	6.86	15.85
6.5	41.19	6.81	15.73
7	41.19	6.81	15.73
7.5	41.2	6.8	15.7
8	41.2	6.8	15.7
8.5	41.24	6.76	15.6
9	41.5	6.5	15.0
9.5	41.54	6.46	14.9
10	41.54	6.46	14.9
15	41.95	6.05	13.98
20	42.4	5.6	12.9
25	43	5	11.55
30	43.05	4.95	11.43
35	43.15	4.85	11.2
40	43.9	4.1	9.47
45	43.9		
50	43.9	4.1	9.47
55	44.0	4	9.24
60	44.1	3.9	9.01
65	44.5	3.5	8.08
70	44.6	3.4	7.85
75	44.8	3.2	7.39
95	45.05	2.95	6.81
105	45.6	2.4	5.54
115	45.6	2.4	5.54
125	45.85	2.15	4.97

t	WL (psi)	S (psi)	S (%)
135	46.0	2	4.62
155	46.0	2	4.62
165	46.1	1.9	4.39
185	46.2	1.8	4.16
205	46.2	1.8	4.16
265	46.7	1.3	3.00
290	46.7		
335	46.7	1.3	3.00
381	46.95	1.05	2.43
~~[illegible]~~ 418	46.95		
445	"	1.05	2.43
505	47	1	2.31
565	47.05	.95	2.19
629	47.3	.7	1.62
689	47.4	.6	1.39
749	47.2	.8	1.85
809	47.3	.7	1.62
869	47.2	.8	1.85
989	"	.8	1.85
1225	48	0	
1350	47.9	.1	.23
1468	47.9	.1	.23
1785	48	0	
2350	47.4	.6	1.37
2697	47.2	.8	1.85

. No. 1517-11
Page 1 of ___.
Date: 8/17/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING
PUMP SIZING

WELL NO. P-1 PUMP

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM Datum: Top of Riser Casing.

Discharge of Pump: 5 → 15 gallons per minute.

Static Water Level Before Pumping Began: (68 psi) 283.0 feet below top of casing.

Exact Time Pump Started: 1300 (Hours) on 8/17/75 (Date).

Exact Time Pump Stopped: 1900 (Hours) on 8/17/75 (Date).

PRELIMINARY - SUBJECT TO REVISION

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1300		GAGE READING / WATER LEVEL	NOTE: For the recovery period record time after pump stopped.
1300½	½	65	Meter Reading 47100 gallo.
	1½	63	
	2½	67	440 − 256 = 184; 2.31 × 68 = 1848; 1386; 157.08
	3½	67.1	END OF AIR LINE IS AT 440.
	4	67.1	
	5	67.2	440 − 157 = 283 ← 5gpm
	7	67.2	
	10½	67.2	
	12	67.2	
	15	66.6	← 1315 changed to 15 gp.
	17	66.5	1 hr. Drawdown ≅ 8 ft/hr. [Specific capacity = 12 gpm / 8] ↳ 1½ gpm/ft.
	18	66.5	
	20	66.0	∴ This well should be capable of ≅ 200 gp
	23	65.8	5 gallon sample taken and stored in discharge canal.
	26½	65.5	pH = 8.1 T = 15.15 °C (Beckman probes got wet.
	31½	65.8	~~S.C.₁ = 3500~~ ? S.C.₂ = 2900
	38½	65.5	pH = 7.6 T = 15.3 °C
	51	65.3	Q checked w/ 5 gal. bucket at 12 gpm.
	60	65.5	Meter registers 15 gpm.
	76	65.5	S.C.₁ = 4900 — 5000 (Probes dried out)
	85	65.0	T = 15.2 °C
			pH = 7.5

6" x 10" FLUME READING - 05

B. No. 1517-11

Page 2 of ___.

Date: 8/17

WHITE RIVER SHALE PROJECT
AQUIFER TESTING
PUMP SIZING

WELL NO. P-1 PUMP

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: J. W. T. Datum: Top of Riser Casing.

Discharge of Pump: 15 → 30 gallons per minute.

Static Water Level Before Pumping Began: 283 feet below top of casing.

Exact Time Pump Started: 1300 (Hours) on 8/17/75 (Date).

Exact Time Pump Stopped: 1900 (Hours) on 8/17/75 (Date)

PRELIMINARY - SUBJECT TO REVISION

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.
		GAGE (PSI) WATER READING LEVEL
	93	65.5
	106	65.5
	117	65.4
	122	64.0
	125	63.8
	131	63.2
1518	138	63.2
	150	62.8
1541	161	62.5
1551	171	62.0
1601	181	61.8
1612	192	61.7
1626½	206½	61.6
1641	221	61.5
1648	228	61.0
1659	239	60.8
1704	244	58.9
1706	246	58.3
1715	255	58.0
1722	262	57.7
1733	273	57.5

Notes

30/11 = 2 gpm/ft.

2.4.8 2.3 144 96 11.04

6.0 2.3 180 120 13.80

7.0 2.3 213 142 16.33

NOTE: For the recovery period record time after pump stopped.

METER = 15 gpm

1440 T = 15.7 °C pH = 7.3 S.C.₁ = 4000 S.C.₂ = 3400

@1456 T = 15.7 °C pH = 7.3 S.C.₁ = 5000 S.C.₂ = 4100

1445 T = 15.7 °C pH = 7.4 S.C.₁ = 4000 S.C.₂ = 3300

Next step Discharge will be ≅ 30-35 gpm.

@ 1500 Q = 30 gpm (METER)

30 gpm (1512) @ 1515 SC₁ = 5000 SC₂ = 4400

FLUME DISCHARGE READING = 0.1 = 22.4 gpm T = 15.05 pH = 7.0

FLUME READING = 0.11 = 27 gpm + 3 gpm est. leakage 30 gpm

METER

@1455 S.C.₁ = 4700 S.C.₂ = 4300 T = 15.0 °C pH = 6.9

@1610 S.C.₁ = 4800 T = 14.9 °C pH = 7.1 S.C.₂ = 400

@1630 pH = 7.1 T = 14.9 S.C.₁ = 4900 S.C.₂ = 4000

31 gpm

1645 pH = 7.2 T = 14.75 °C S.C.₁ = 4500 S.C.₂ = 4100

H_2S odor persists. Ugh!

@1700 Stepped-up discharge to 51 gpm

52 gpm @ 1705.

52 gpm @ 1720 pH = 7.2 T = 14.55 S.C.₁ = 4900 S.C.₂ = 5000.

50 gpm

T = 14.55 S.C. = 4900.

pH = 7.3

This water tastes salty, bitter and smells like

Job. No. 1517-11

Page 3 of ___.

Date: 8/17/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☒ RECOVERY ☐.

WELL NO. P-1 PUMP

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT Datum: Top of Riser Casing.

Discharge of Pump: 50 gallons per minute.

Static Water Level Before Pumping Began: 283.0 feet below top of casing.

Exact Time Pump Started: 1300 (Hours) on 8/17/75 (Date).

Exact Time Pump Stopped: 1900 (Hours) on 8/17/75 (Date)

PRELIMINARY - SUBJECT TO REVISION

56
12
7.3
36
24
27.6

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
		GAGE READING (PSI) / WATER LEVEL	NOTE: For the recovery period record time after pump stopped.
1750	290	56.8 440-131.2=	
1756	296	56.7 440 131.0=	50 gpm @1755 T = 14.55°C pH = 7.7 S.C. = 5000 — 50 gpm
1806	306	56.5 440-130.5=	
1817	317	56.4 440-130.3=	FLUME READING = 48.8 gpm
1824	324	56.3 440-130.1=	@1815 T=14.55°C 50 gpm — t = 1 gpm (seepage) — 50 gpm. pH=7.3 S.C.=4900
1831	331	56.1 440-129.6=	@1835 T=14.55 pH=7.4 S.C.=4300-4400
1837	337	56.0 440-129.4=	50 gpm @1836 pH=8.7
1850	350	55.8 440-128.9=	@1855 T=14.55 pH=7.6 S.C.=4300
1858	358	55.5 440- =	PUMP STOPPED — 50 gpm.

Page 1 of 2.

NSU

PH-SC-TEMP-Flow
-Hourly-

1/2 min interval - first 5 min
5 min interval - 1 hour
10 min interval - 2 hours
60 min interval thereon

PIEZOMETER NO. P-1 pump
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: J Proffitt; Siems Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: (PSI) 46.1 / ~~[illegible]~~ 283' feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 15:35 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, (PSI) in feet, below top of casing.	Notes
09:35.5	0	46.1	58467.5 - water meter reading 58600.0 - start of test
09:36.0	1/2	44.5	
09:36.5	1	43.2	
09:37.0	1 1/2	43.2	
09:37.5	2	43.2	
09:38.0	2 1/2	43.3	
09:38.5	3	43.3	
09:39.0	3 1/2	43.1	
09:39.5	4	43.1	
09:40.0	4 1/2	43.0	
09:40.5	5	43.0	
09:41.0	5 1/2	43.0	
09:41.5	6	43.0	
09:42.0	6 1/2	43.0	
09:42.5	7	43.0	
09:43.0	7 1/2	43.0	
09:43.5	8	43.0	
09:44.0	8 1/2	43.0	
09:44.5	9	43.0	
09:45.0	9 1/2	43.0	
09:45.5	10	42.5	
09:46.0	10 1/2	42.0	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P1 pump
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: J Proffit; Siemo Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm / 2831' gallons per minute.

Static Water Level Before Pumping Began: (P31) 46.1 feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 15:35 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, (P31) in feet, below top of casing.	Notes
09:46.5	11	41.9	
09:47.0	11½		
09:47.5	12	41.9	
09:48.0	½	41.9	
09:48.5	13		
09:49.0	½	41.9	
09:49.5	14		Changed Dry bottle
09:50.0	½		
09:50.5	15		
09:51.0	½		
09:51.5	16	42	
09:52.0	½	42	
09:52.5	17	42	
09:53.0	½	42	
09:53.5	18	42	
09:54.0	½	41.7	PH 7.8, T 14.2°C, SC 4500
09:54.5	19	41.9	Jar water sample taken clear and clean. Flume 0.08"
09:55.0	19½	41.7	
09:55.5	20	41.4	PH 7.9, T 14.3°C, SC 4600
10:00.5	25	41.4	no odor, clear & clear
10:05.5	30	41.2	water sample w/ slight amt. bubbles on broken
10:10.5	35	41.1	slight H_2S odor

PRELIMINARY-SUBJECT TO REVISION

PIEZOMETER NO. Pump-P-1

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Pollitt, Sims Datum: Top of Riser Casing.

Discharge of Pump: 145 gpm gallons per minute.

Static Water Level Before Pumping Began: 46.1 psi/283' feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

PRELIMINARY - SUBJECT TO REVISION

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, (psi) in feet, below top of casing.	Notes
10:15.5	40	41.00	
10:20.5	45	40.95	mic. H_2S odor, becoming cloudy
10:30.5	55	40.80	60,620 gal. H_2O pumped.
10:35.5	60	40.51	grab sample
10:40.5	65 / 165	40.45	mic. in H_2S odor
10:45.5	1:10 70	40.20	H_2S odor fairly strong - H_2O becoming grayish in color
10:50.5	1:15 75	40.05	pH 7.8, T 14.5°C, SC 4800, Flow 4
10:55.5	1:20 80	40.00	Flume 0.08 in
11:00.5	1:25 85	39.95	trouble with the plastic - ugh!!
11:20.5	1:45 105	39.72	catch sample clear & free of bubbles
11:40.5	2:05 / 125	39.10	pH 7.4, T 14.6°C, SC 4700, Flow 45
12:00.5	25 145	39.00	Flume 0.08"
12:20.5	45 165	38.91	discarded last H_2O sample - no [illegible] the two days.
12:40.5	3:05 185	38.80	new catch sample for observation
13:00.5	25 205	38.71	T 14.6°C, SC 4100, pH 7.4, Flow 45 gpm
13:20.5	45 225	38.60	catch sample somewhat cloudy
13:40.5	4:05 / 245	38.50	
14:00.5	25 265	38.45	
14:20.5	45 285	38.20	strong H_2S odor for a very short time - pH 7.4, T 14.6°C, SC 4500
14:40.5	5:05 / 305	38.10	[illegible] nothing happening to the H_2O catch sample except bugs seem to like it.
15:00.5	5:25 / 325	38.10	
16:00.5	6:25 / 385	38.00	SC 4600, T 14.6°C, pH 7.5

PIEZOMETER NO. Pump - P1

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Proffitt, Sims Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: 46.1 psi / 283' feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

PRELIMINARY - SUBJECT TO REVISION

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, (psi) in feet, below top of casing.	Notes
17:00.5	7.25 / 445	38.00	PH 7.6, SC 4800, T 14.6°C, Flow 45 gpm
18:00.5	8.25 / 505	37.95	PH 7.4, SC 4800, T 14.6°C, Flow 45 gpm (No change in water color or odor)
19:00.5	9.25 / 565	37.95	" " " "
2000	10.25 / 625	37.9	" " " "
2100	11.25 / 685	[illegible]	" " " "
2200	12.25 / 745	[illegible]	" " " "
2300	13.25 / 805	[illegible]	" " " "
2400	14.25 / 865	[illegible]	PH 7.8 SC [illegible], T 14.[illegible], Flow 42 gp
31 0100	15.25 / 925	[illegible]	PH 7.4 SC [illegible] T 14.[illegible] 45 gp
0200	16.25 / 985	[illegible]	PH 7.2 SC [illegible] T 14.5
0300	17.25 / [illegible]	[illegible]	PH 7.2, T 14.5°C, SC 4600, Flow 45 gpm
0400	18.25 / 1105	38.0	" " " " "
0500	19.25 / 1165	38.0	" " " " "
0605	20.30 / 1230	38.0	PH 7.4, T 14.48°C, SC 5000, Flow 45 gpm, took grab sample in beakers.
0702	21:27 / 1287	38.0	" " " " " "
0800	22:25 / 1345	28.06	PH 7.4, T 14.52°C, SC 5200, Flow 45 gpm
0900	23:25 / 1405	38.1	" " " "
10:00	24:25 / 1465	33.4	Mc. in 4.5 odor - V. strong.
11:15	25:40 / 1540	38.5	PH 7.4 - T 14.61°C - SC 5500 Flow 45
12:15	26:40 / 1600	38.5	" " " "
13:15	27:40 / 1660	38.5	" " " "
14:00	28:25 / 1705	38.5	" " " "

PIEZOMETER NO. Pump-P1

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Pritt, Siems Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: 46.1 (psi) / 283' feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 15:35 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, (psi) in feet, below top of casing.	Notes
15:15	29.40 / 1780	38.4 psi	PH 7.4, SC 5400, T 14.7°C, Flow 45 gpm still heavy H_2S odor - no other problems as per catch sample.
15:35½	30.00½ / ½	39.2	
15:36	30:01 / 1	40.0	
15:36½	/ 1½	40.1	138,053 gallons Final meter reading (Approx. avg. discharge 44½ gpm
15:37	30.02 / 2	40.5	
15:37½	/ 2½	40.9	
15:38	30:03 / 3	41.0	
15:38½	/ 3½	41.0	
15:39	30:04 / 4	41.08	
15:39½	/ 4½	41.1	
15:40	30:05 / 5	41.1	
15:40½	/ 5½	41.1	
15:41	30:06 / 6	41.14	
15:41½	/ 6½	41.19	
15:42	30:07 / 7	41.17	
15:42½	/ 7½	41.2	
15:43	30:08 / 8	41.2	
15:43½	/ 8½	41.24	
15:4:1	30:09 / 9	41.5	
15:44½	/ 9½	41.54	
15:45	30:10 / 10	41.54	
15:50	30:15 / 15	41.95	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P1- Pump

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Proffitt; Sierra Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: 46.1 (pci) / 283' feet below top of casing.

Exact Time Pump Started: 09:35:30 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 15:35 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
15:55	30:20 / 20	42.4	
16:00	30:25 / 25	43.0	
16:05	30:30 / 30	43.05	
16:10	30:35 / 35	43.15	
16:15	30:40 / 40	43.9	
16:20	30:45 / 45	43.9	
16:25	30:50 / 50	43.9	
16:30	30:55 / 55	44.0	
16:35	31:00 / 60	44.1	
16:40	31:05 / 65	44.5	
16:45	31:10 / 70	44.6	
16:50	31:15 / 75	44.8	
17:10	31:35 / 95	45.05	
17:20	31:45 / 105	45.60	
17:30	31:55 / 115	45.60	
17:40	32:05 / 125	45.85	
17:50	32:15 / 135	46.00	
18:00	32:25 / 145	46.00	
18:10	32:35 / 155	46.00	
18:20	32:45 / 165	46.1	
18:40	33:05 / 185	46.2	
19:00	33:25 / 205	46.2	
20:00	34:25 / 265	46.7	
[illegible]	[illegible]	[illegible]	

PRELIMINARY - SUBJECT TO REVISION

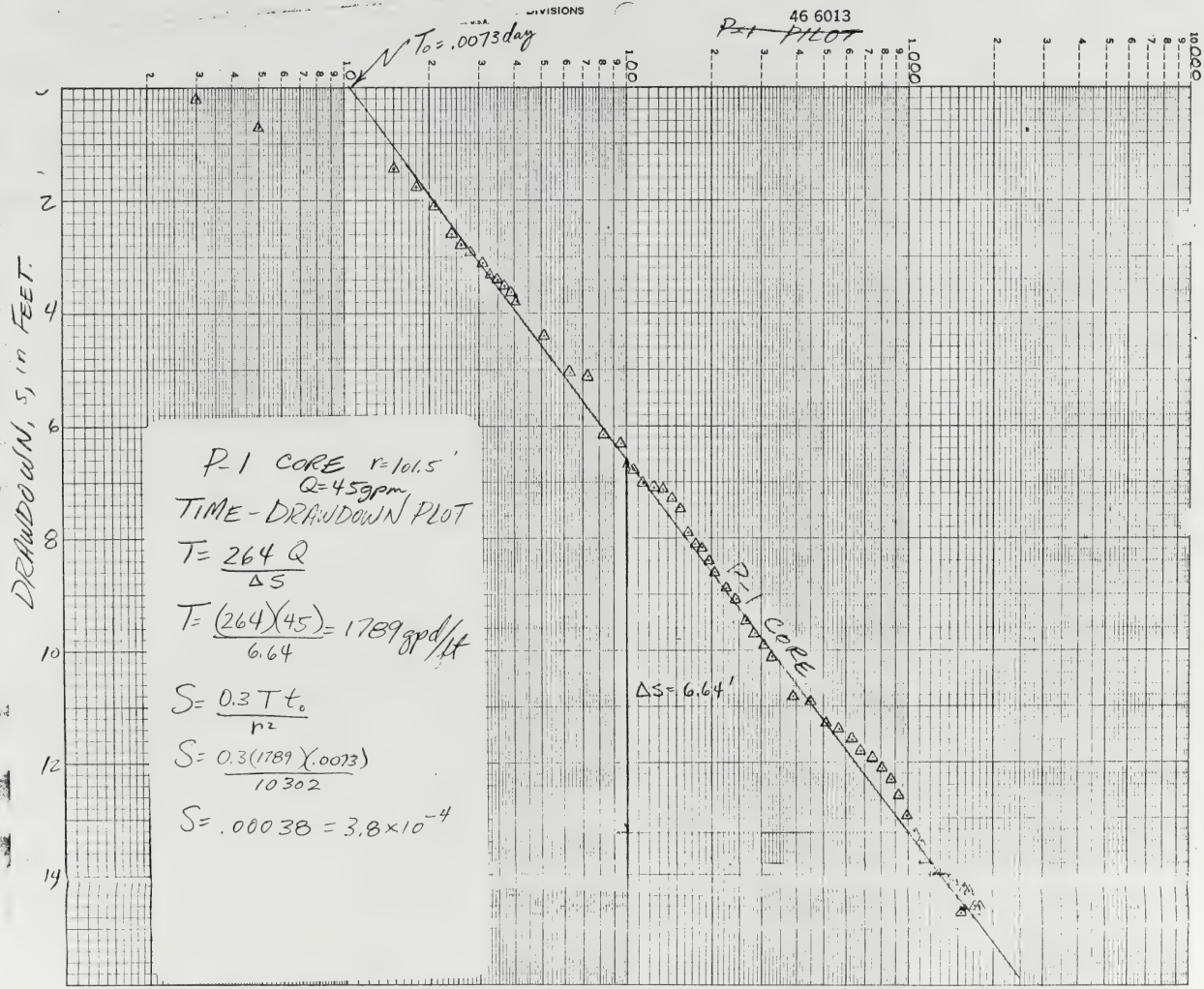
PIEZOMETER NO. P1-pump
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Pitt; Sam Datum: Top of Riser Casing.
Discharge of Pump: 45 gpm gallons per minute.
Static Water Level
Before Pumping Began: 46.1 (psi) / 283' feet below top of casing.
Exact Time Pump Started: 09:35.30 on 08/30/75.
(Hours) (Date)
Exact Time Pump Stopped: 15:25 on 08/31/75.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, (psi) in feet, below top of casing.	Notes
21:10	35:35 / 335	46.7	
21:56	36:21 / 381	46.95	
22:22	36:53 / 418	46.95	
22:[illegible]	37:25 / 445	46.95	
0[illegible]	38:05 / 505	47.0	
0[illegible]	39:25 / 565	47.05	
0[illegible]	40:29 / 629	47.3	
0704	41:29 / 689	47.4	
0404	42:29 / 749	47.2	
0504	43:29 / 809	47.2	
0604	44:29 / 869	47.2	
0704	45:29 / 929	47.2	
0804	46:29 / 989	47.2	
1200	50:25 / 1235	48.0	
1405	50:25 / 1350	47.9	
1600	54:05 / 1469	47.9	
21:20	59:45 / 1785	[illegible]	
06.45	62:10 / 2350	47.4	
12.32	77:57 / 2697	47.2	
1045		278.63	

PRELIMINARY - SUBJECT TO REVISION


46 6013
DIVISIONS
$T_0 = .0073$ day
~~P-1 PLOT~~
DRAWDOWN, s, in FEET
P-1 CORE
$\Delta s = 6.64'$
P-1 CORE r=101.5'
Q=45gpm
TIME-DRAWDOWN PLOT
$T = \frac{264\,Q}{\Delta s}$
$T = \frac{(264)(45)}{6.64} = 1789$ gpd/ft
$S = \frac{0.3\,T\,t_0}{r^2}$
$S = \frac{0.3(1789)(.0073)}{10302}$
$S = .00038 = 3.8 \times 10^{-4}$

JOB NO.: 1517-11
Page 1 of
Recorded by:

Well No.: P-1 CORE
Stage of Test (check one):
☒ Pump
☐ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

PRELIMINARY - SUBJECT TO REVISION

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: 45 gallons per minute
STATIC WATER LEVEL DEPTH: [illegible] feet
EXACT TIME PUMP STARTED: [illegible] (HOURS) ON [illegible] (DATE)
EXACT TIME PUMP STOPPED: [illegible] (HOURS) ON _____ (DATE)

EXACT TIME			PUMPING DATA				RECOVERY DATA		
of day (clock)	Since Pump Started, t, minutes.	Since Pump Stopped, t', minutes.	Water Level Depth, Feet	Drawdown s, Feet	Ratio $\frac{t}{t'}$	Residual Drawdown S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	3			0.23					
	5			0.73					
	15			1.43					
	18			1.78					
	21			2.10					
	22			2.40					
	24			2.61					
	26			2.78					
	28			2.93					
	31			3.09					
	33			3.29					
	35			3.38					
	37			3.48					
	39			3.61					
	41			3.83					
	51			4.39					
	63			5.06					
	73			5.13					
	83			6.15					
	95			6.33					
	105			6.77					
	115			7.03					
	125			7.08					
	135			7.13					
	145			7.33					
	155			7.48					
	165			7.94					

JOB NO.: 1517-11
Page 2 of ___
Recorded by: _____

Well No.: P-1 ~~P-1 ST~~ CORE
Stage of Test (check one):
☒ Pump
☐ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

PRELIMINARY - SUBJECT TO REVISI

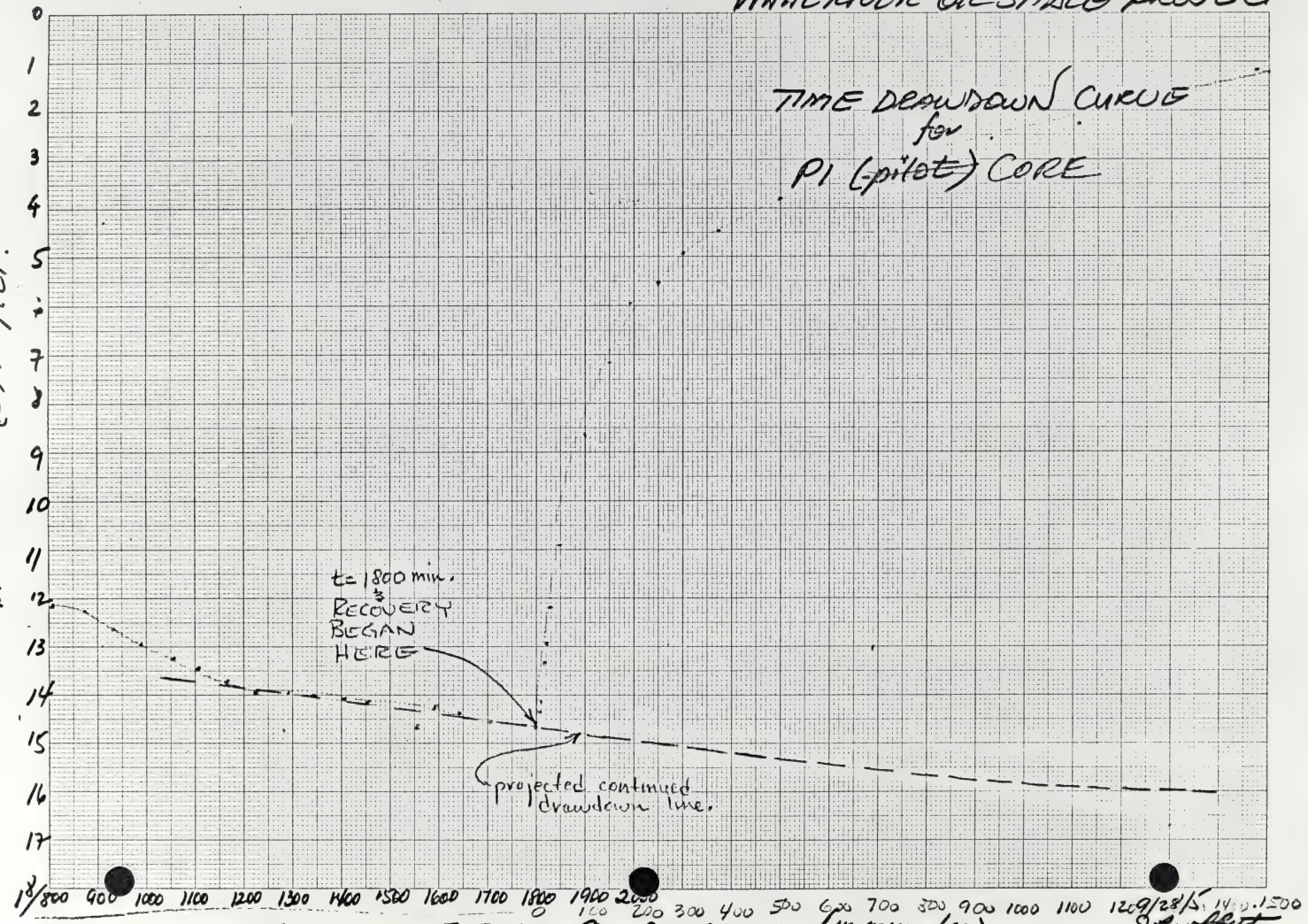
WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: _____ gallons per minute
STATIC WATER LEVEL DEPTH: _____ feet
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE)
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE)

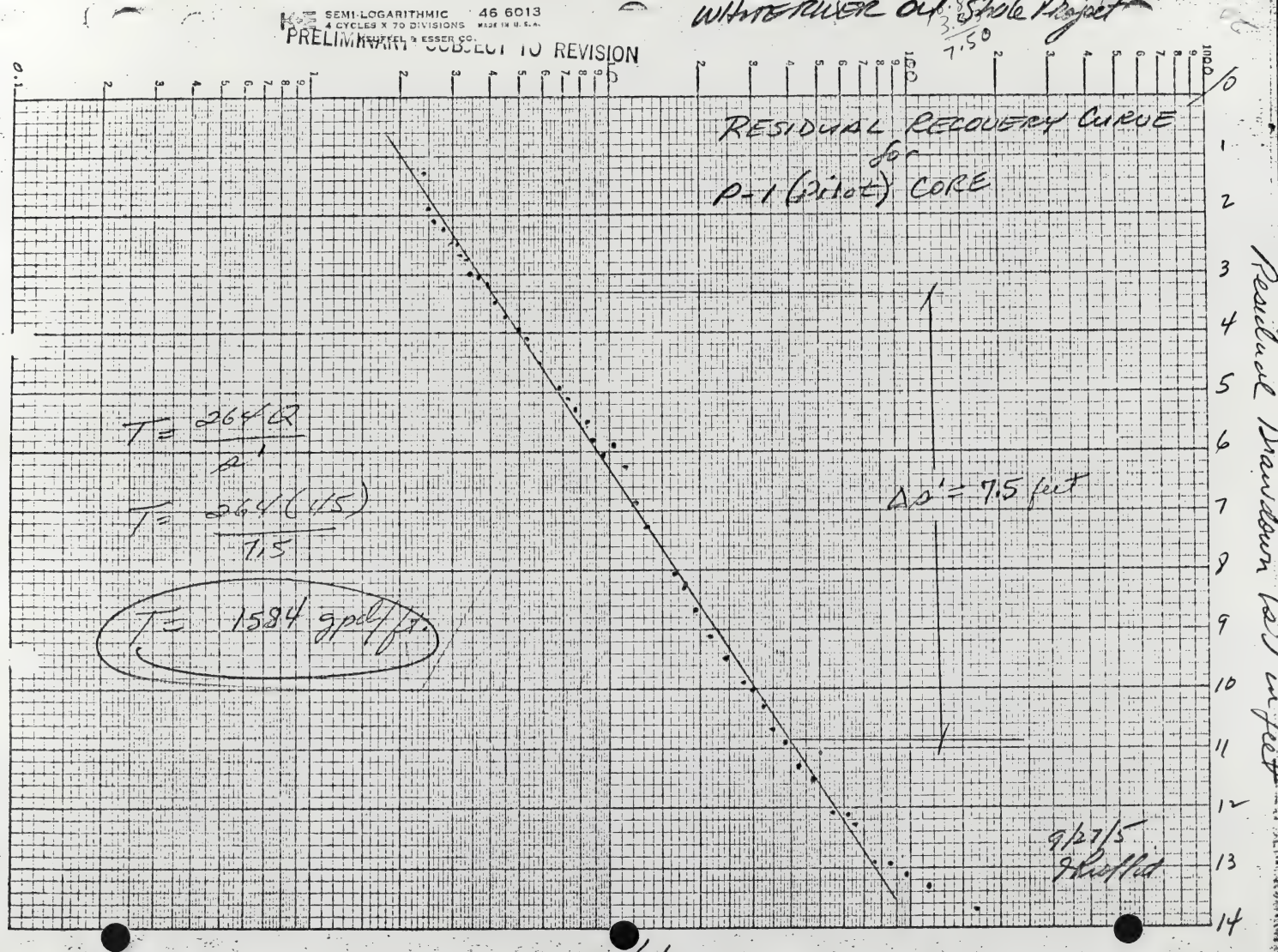
EXACT TIME			PUMPING DATA				RECOVERY DATA		
of day (clock)	Since Pump Started, t, minutes.	Since Pump Stopped, t', minutes.	Water Level Depth, Feet	Drawdown s, Feet	Ratio $\frac{t}{t'}$	Residual Drawdown S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	175			8.10					
	185			8.17					
	195			8.44					
	205			8.61					
	225			8.91					
	245			9.07					
	265			9.45					
	285			9.69					
	308			9.91					
	328			10.12					
	389			10.84					
	449			10.94					
	509			11.34					
	569			11.39					
	629			11.61					
	689			11.78					
	749			11.89					
	808			12.13					
	874			12.28					
	932			12.63					
	990			12.95					
	1052			13.24					
	1108			13.42					
	1165			13.72					
	1225			13.95					
	1292			[illegible]					
	1347			13.97					
	1402			14.07					
	1457			14.12					
	1553			14.68					
	1593			14.22	t	s			
	1649			[illegible]					

K+E 10 X 10 TO THE CENTIMETER 46 1510
18 X 25 CM. MADE IN U.S.A.
KEUFFEL & ESSER CO.

PRELIMINARY - SUBJECT TO REVISION

WHITE RIVER OIL SHALE PROJECT




K+E SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.
PRELIMINARY SUBJECT TO REVISION
WHITE RIVER OIL Shale Project
3.8
3.5
7.50
RESIDUAL RECOVERY CURVE
for
P-1 (Pilot) CORE
$T = \frac{264Q}{s'}$
$T = \frac{264(45)}{7.5}$
T = 1584 gpd/ft.
$\Delta s' = 7.5$ feet
9/27/5
Residual Drawdown (s') in feet
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14

1 min interval - 5 min
2 min interval - 20 min
10 min interval - 60 min
30 min interval - remain test.

PIEZOMETER NO. P-1 observation 2 CORE

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Siems/Proffitt Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: 278.57 feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
09:38.5	+3	278.8	Problems on Obs. #1 caused shortage of data during 1st 20 min. on both Obs. wells.
09:40.5	+5	279.3	
09:50.5	15±	280	
09:53.5	18±	280.35	
09:56.5	+21	280.67	
09:57.5	+22	[illegible]	
09:59.5	+24	[illegible]	
10:01.5	+26	[illegible]	
10:03.5	+28	[illegible]	
10:06.5	31	[illegible]	
10:08.5	33	[illegible]	
10:10.5	[illegible]	[illegible]	
10:12.5	37	[illegible]	
10:14.5	39	[illegible]	
10:16.5	41	[illegible]	
10:26.5	51	[illegible]	
10:38.5	63 / 1:05	[illegible]	
10:48.5	73 / 1:15	[illegible]	
10:58.5	83 / 1:25	[illegible]	
11:10.5	95 / 1:35	[illegible]	
11:20.5	105 / 1:45	285.34	
11:30.5	115 / 1:55	285.60	

PRELIMINARY - SUBJECT TO REVIS

PIEZOMETER NO. P-1 observation 2 CORE

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Siems/Proffitt Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: 278.57 feet below top of casing.

Exact Time Pump Started: 0935.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
11:40.5	125 / 2.05	285.65	
11:50.5	135 / 2.15	285.70	
12:00.5	145 / 2.25	285.90	
12:10.5	155 / 2:35	286.05	
12:20.5	[illegible] / 2:45	286.5[illegible]	
12:30.5	175 / 2:55	286.67	
12.40.5	185 / 3:05	286.74	
12.50.5	195 / 3:15	287.01	
13:00.5	205 / 3.25	287.18	
13:20.5	225 / 3:45	287.48	
13:40.5	245 / 4:05	287.64	
14:00.5	265 / 4:25	288.02	
14:20.5	285 / 4:45	288.26	
14:42.5	308 / 5:08	288.48	
15:08.5	328 / 5:28	288.69	
16:04.5	389 / 6:29	289.41	
17:04.5	449 / 7:29	289.51	
18:04.5	509 / 929	289.91	
19:05	569 / 9:29	289.96	
20:05	629 / 1029	290.15	
21:05	689 / 11:29	290.35	
22.05	749 / 12:29	290.46	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P1- OBSERVATION 2 CORE

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] / [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 145 gpm gallons per minute.

Static Water Level Before Pumping Began: 278.57 feet below top of casing.

Exact Time Pump Started: 0935.5 (Hours) on 8/30/5 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump (t) Started, in minutes.	Water Level, in feet, below top of casing.	(s)	Notes
0203	[illegible] / 12:28	[illegible]	12.12	
0409	[illegible] / 14:24	[illegible]	12.28	
0107	[illegible] / 15:32	[illegible]	12.63	
0205	[illegible] / 16:30	[illegible]	12.95	
0307	1052 / 17:30	291.81	13.24	
0403	[illegible] / 18:28	291.99	13.42	
0500	[illegible] / 19:25	292.30	13.73	
0500	[illegible] / [illegible]	[illegible].52	[illegible]	
0707	[illegible] / 21:30	292.49	[illegible]	
0802	[illegible] / [illegible]	292.54	[illegible]	
0857	[illegible] / 23:22	292.64	14.07	
0952	[illegible] / [illegible]	292.69	14.12	
11:22	[illegible] / [illegible]	[illegible]	14.3	
12:08	[illegible] / [illegible]	292.79	[illegible]	
13:04	[illegible] / [illegible]	292.90	14.57	
14:02	[illegible] / [illegible]	293.14	14.3	
15:34	[illegible] / [illegible]	[illegible]	t/t' pump	s' off at 1535 = 180
1539	Time since rec started (t') (1804)	292.9	451.0	14.33
1541	(1806)	292.75	301.0	14.18
1543	(1808)	292.6	226.0	14.03
1546	(1811) 11	292.26	164.6	13.69
1551	(1816) 16	291.92	113.5	13.35

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. 21 Observation 2 CORE
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: PROFFITT / SIEMS Datum: Top of Riser Casing.
Discharge of Pump: 45 gpm gallons per minute.
Static Water Level
Before Pumping Began: 278.57 feet below top of casing.
Exact Time Pump Started: 0935.5 on 8/20/75.
(Hours) (Date)
Exact Time Pump Stopped: 1535 on 8/21/75.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	t/t'	s' Notes	
54	(1819) 19	[illegible]	95.7	13.13	
56	(1821) 21	[illegible]	86.7	12.93	
59	(1824) 24	[illegible]	76.0	12.86	
16 02	(1828) 28	[illegible]	65.3	12.23	
05	(1830) 30	[illegible]	61.0	12.17	
08	(1833) 33	[illegible]	55.5	12.09	
13	(1838) [illegible]	[illegible]	48.4	11.59	
18	(1843) [illegible]	[illegible]	42.9	11.23	
23	(1848) 48	[illegible]	38.5	10.90	
28	(1853) 53	[illegible]	35.0	10.63	
32	(1857) 57	[illegible]	32.6	10.27	
37	(1862) [illegible]	[illegible]	30.0	10.05	
42	(1867) [illegible]	[illegible]	27.9	9.91	
52	(1877) 77 / [illegible]	[illegible]	24.4	9.45	
17 02	(1887) 87 / [illegible]	[illegible]	21.7	9.08	
17 12	(1897) 97 / [illegible]	[illegible]	19.6	8.69	
1722	(1907) 107 / [illegible]	[illegible]	17.8	8.28	
1732	(1917) 117 / [illegible]	[illegible]	16.4	8.03	
1747	(1932 132 / 12:[illegible]	[illegible]	14.6	7.63	
1802	(1947) 147 / [illegible]	[illegible]	13.2	7.16	
1817	(1962) 162 / [illegible]	[illegible]	12.1	6.88	
1832	(1977) 177 / [illegible]	[illegible]	11.2	6.23	
1847	(1992) 192 / 13:[illegible]	[illegible]	10.4	5.91	

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. P1 Observation 2 CORE

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: PROFFITT / SIEMS Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: 278.57 feet below top of casing.

Exact Time Pump Started: 0935.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes. (Recovery)	Water Level, in feet, below top of casing.	t/t'	s' Notes
1904	(2009) [illegible] / 3:09	2[illegible]	9.6	6.03
1923	(2028) [illegible] / 3:48	264.89	8.9	5.82
1941	(2047) [illegible] / 4:09	[illegible]	8.3	5.53
[illegible]	(2066) [illegible] / 4:26	[illegible]	7.8	5.35
[illegible]	(2088) [illegible] / 4:48	[illegible]	7.3	5.18
[illegible]	(2108) [illegible] / 5:08	[illegible]	6.8	4.97
2106	(2131) [illegible] / 5:31	[illegible]	6.4	4.85
2150	(2175) [illegible] / 6:1[illegible]	283.05	5.8	4.48
[illegible]	(2222) [illegible] / 7:[illegible]		5.3	4.16
[illegible]	(2248) [illegible] / 7:[illegible]		5.0	3.96
[illegible]	(2278) [illegible] / 7:[illegible]		4.8	3.79
9/1 0003	(2308) [illegible] / 8:[illegible]		4.5	3.80
[illegible]	(2368) [illegible] / 9:[illegible]		4.2	3.43
[illegible]	(2430) [illegible] / 10:[illegible]		3.9	3.19
0305	(2490) [illegible] / 11:[illegible]	[illegible]	3.6	3.06
0405	(2550) [illegible] / 12:[illegible]	[illegible]	3.4	3.00
0505	(2810) [illegible] / 13:[illegible]	[illegible]	3.4	2.78
0605	(2870) [illegible] / 14:[illegible]	[illegible]	3.3	2.67
0705	(2930) [illegible] / 15:[illegible]	281.15	3.2	2.56
0805	(2990) [illegible] / 16:[illegible]	281.00	3.0	2.43
1005	(3110) [illegible] / 18:[illegible]	[illegible].82	2.8	2.25
1205	(3230) [illegible] / 20:[illegible]	[illegible]	2.6	2.04
1410	(3355) [illegible] / 22:35	278.53	2.5	1.96
1607	(3472) 1472 / [illegible]	[illegible]	2.4	1.13

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P1 Observation 2 CORE

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: PROFFITT [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: 278.57 feet below top of casing.

Exact Time Pump Started: 0935.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes. (Recovery)	Water Level, in feet, below top of casing.	t/t'	s' Notes
21:30	(3795) [illegible] / [illegible]	280.09		
0648	(4455) 2253 / 29:13	280.03		
12:30	(4800) 2695 / 44:55	279.88		

PRELIMINARY - SUBJECT TO REVISION

1517-11

Page 1 of ___.

Date: 8/17/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING
PUMP SIZING

WELL NO. P-1 CORE

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWJ/DIM Datum: Top of Riser Casing.

Discharge of Pump: see notes gallons per minute.

Static Water Level Before Pumping Began: 278.68' feet below top of casing. (BTOC)

Exact Time Pump Started: 1300 (Hours) on 8/17/75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1302	2	278.68'	NOTE: For the recovery period record time after pump stopped.
	6	278.68'	
	10	278.70'	5 gpm for 1st 15 min.
	15	278.75'	15 gpm (17 gpm by bucket measurement)
	19	278.77'	
	23	278.82'	
	28	278.95	
	43	279.40'	
	49	279.48'	
	65	279.62'	
	89	279.98'	
	103	280.15'	
	122	280.19'	
	141	281.45'	Change to 30 gpm
	154	281.93'	
	165	282.30'	
	178	282.62'	
	188	283.09'	
1624	204	283.35'	
1638	213	283.75'	
1656	236	284.18'	Changed to 50 gpm at 1700.
1710	250	282.80	

285.00 + 2.2 = 282.80

285.0 + 1.35 = 283.75

285.00 + .82 = 284.18

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 5 of ___.

Date: 8/19/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

WELL NO. P-2 upper

DEEP AQUIFER PUMP TEST PILOT.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT. Datum: Top of Riser Casing.

Discharge of Pump: 10 gallons per minute.

Static Water Level Before Pumping Began: 98.20 feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: 1800 (Hours) on 8/19/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1444	1514	266.35	27 hrs = 1620 min. NOTE: For the recovery period record time after pump stopped.
1519	1549	267.91	
1558	1588	269.50	
1625	1615	270.58	
1651	1641	271.66	28 hours = 1680 min
1717	1667	272.73	@1710 275.01
1759	1/2 min	274.90	
	1	274.75	
	2	273.9	
	3	273.3	
	4	273.1	
	5	272.73	
	7	272.14	
	9	271.48	
	11	270.89	
	13	270.32	
	15	269.52	
	18	268.8	
	22	267.68	
	24 1/2	266.98	
	27 1/2	265.95	
	30	265.22	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11
Page 6 of ___.
Date: 8/19/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST:

WELL NO. P-2 (Check one) PUMP ☐
DEEP AQUIFER PUMP TEST PILOT RECOVERY ☑

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT Datum: Top of Riser Casing.

Discharge of Pump: ——— gallons per minute.

Static Water Level Before Pumping Began: 98.20 feet below top of casing.

Exact Time Pump Started: 1370 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: 1800 (Hours) on 8/19/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (24 hr)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
	33½	264.20	NOTE: For the recovery period record time after pump stopped.
	39	262.63	
	44	261.08	
	51	258.97	
	57	257.37	
	63	255.50	
	70	253.77	
1920	80	250.42	
1930	90	247.60	
1942	102	243.91	JWT made phone calls to Jerry McMillan of Casada Constr. Co.
2011	131	236.52	
2027½	147½	232.57	
2040	160	229.68	JWT coordinated Wesco activities w/ C. Knudsen
2106	186	224.72	
2127	207	221.02	
2147	227	217.81	
2219	259	213.72	
2245	285	210.12	
2326	326	205.00	
0001	367	200.15	
0108	428	195.11	
0214	494	190.23	
0300	545		

PRELIMINARY-SUBJECT TO REVISION

JOB. No. 1517-11

Page 7 of ___.

Date: ___.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. _____

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: DM Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/19 0342	587	[illegible]	NOTE: For the recovery period record time after pump stopped.
0404	601	182.31	
0435	635	180.58	
0534	694	177.55	
0613	733	175.62	
0630	756	174.80	
0710	790	173.60	
0735	815	172.67	
0800	840	171.17	
0830	870	170.65	
0859	899	169.75	
0933	934	168.83	
0958	954	167.76	
1105	1023	165.96	
1204	1085	164.02	
1304	1145	162.07	
1404	1210	160.42	
8/20 1500	1266	159.00	
8/ 1225	2551	141.35	
8/21 1417	3663	[illegible]	
8/22 1630	4343	130.47	
8/23 1206	5412	128.31	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P-2 Upper Pilot

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: DM - JP Datum: Top of Riser Casing.

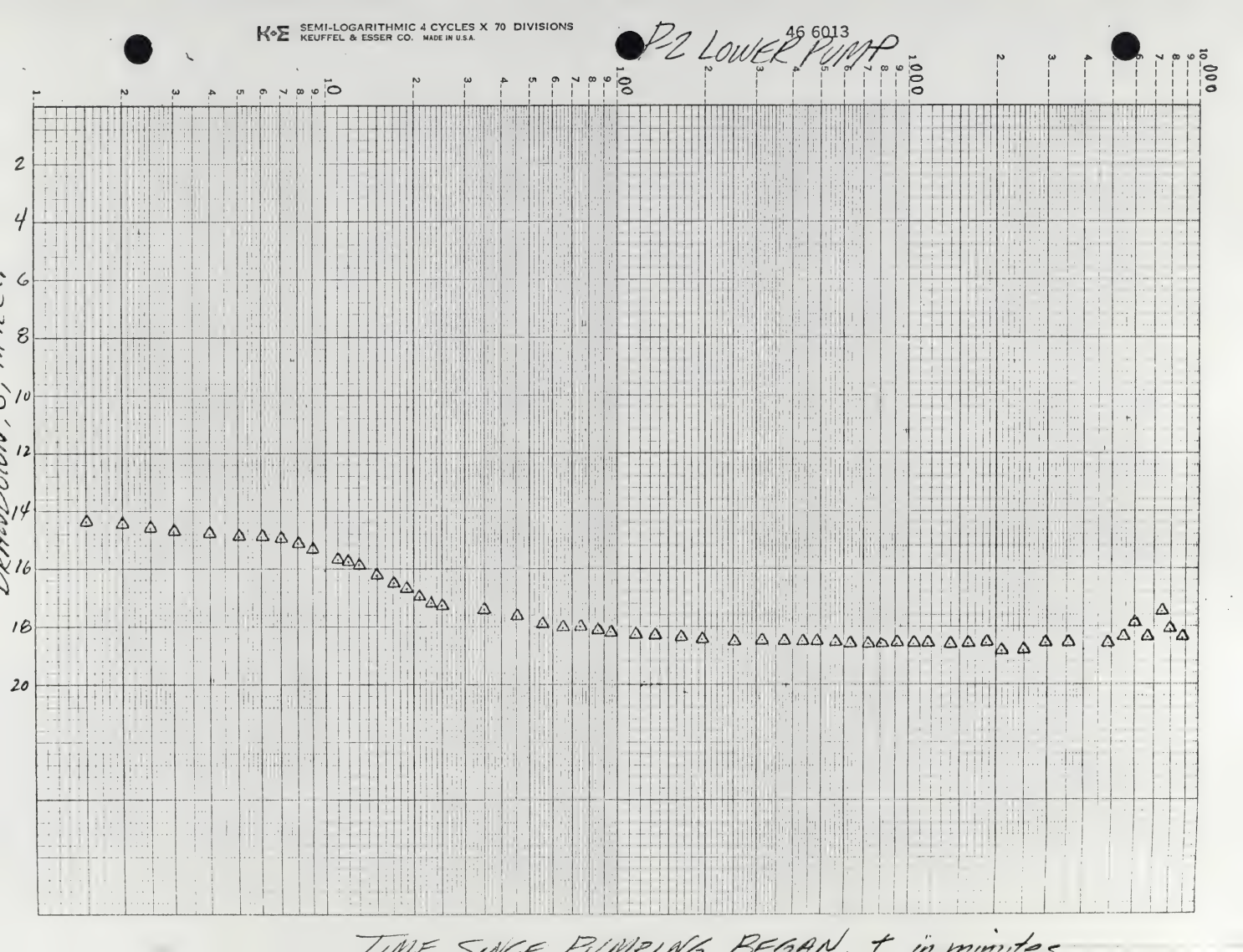
Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

	Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/24	1748	7194	124.07'	
8/[illegible]	1112	9238	122.07'	
8/26	11:20	96860	119.65'	
8/27	[illegible]	14906	[illegible]	1818 100-205
9/11	2035	30291	107.98	
9/12	0531	33807	106.47	
9/13	1347	35743	106.45	
9/14	1618	37334	106.31	
9/15	0805	38981	106.28	
9/16	2005	39841	105.62	


K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
P-2 LOWER PUMP
46 6013
DRAWDOWN, S, IN FEET
TIME SINCE PUMPING BEGAN, t in minutes

PIEZOMETER NO. PZ-Lower pump

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Siems & Proffitt Datum: Top of Riser Casing.

Discharge of Pump: 550 gpm gallons per minute.

Static Water Level Before Pumping Began: (64 psi) 161.2' feet below top of casing.

Exact Time Pump Started: 0845 (Hours) on 9/[illegible]/75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
0845	0	64.0 (0)	Pumping rate at start 565.
" ½	½	60.0 (9.24)	
0846	1	58.0 (13.86)	
½	½	57.8 (14.32)	
0847	2	57.75 (14.44)	
½	½	57.7 (14.55)	
0848	3	57.[illegible] (14.67)	
½	½	57.63 (14.71)	
0849	4	57.62 (14.74)	
½	½	57.61 (14.76)	
0850	5	57.60 (14.78)	1920 sc, 550 gpm, 15.85°c, 7.5 ph
0851	6	57.58 (14.83)	
0852	7	57.56 (14.88)	550 gpm
0853	8	57.5 (15.02)	
0854	9	57.4 (15.25)	
0855	10	57.30 (15.48)	1880 sc, 550 gpm 15.9°c, 8.4 ph
0856	11	57.25 (15.59)	
0857	12	57.2 (15.71)	
0858	13	57.15 (15.82)	
0859	14	57.1 (15.94)	
0900	15	57.0 (16.17)	550 gpm, 1880 sc, 15.5°c, 8.1 ph.
0902	17	56.9 (16.4)	

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. R2-Lower pump

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Shems & Proffitt Datum: Top of Riser Casing.

Discharge of Pump: 550 gpm gallons per minute.

Static Water Level Before Pumping Began: (64 ft) feet below top of casing.

Exact Time Pump Started: 0845 (Hours) on 9/10/75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
0904	19	56.8 (18.63)	
0906	21	56.7 (18.[illegible])	1900 sc, 550 flow, 15.80°c, 8.0 ph
0908	23	56.[illegible] (18.[illegible])	
0910	25	56.55 (18.21)	550 GPM
0920	35	56.5 (18.[illegible])	1900 sc, 550 flow, 15.90°c, 7.9 ph
0930	45	56.4 (18.5[illegible])	
0940	55	56.3 (18.29)	1850 sc, 550 flow, 15.90°c, 8.1 ph
0950	65	56.27 (18.[illegible])	Took - 5 gals. discharge for quality sample
1000	75	56.25 (18.9)	550 GPM
1010	85	56.20 (18.52)	T15.6°c, SC1800, Flow 5[illegible] pH 7.8 - [illegible]
1020	95	56.17 (18.29)	
1030	105	56.15 (18.13)	
1040	115	56.13 (18.13)	
1100	135	56.12 (18.2)	550 GPM
1130	165	56.1 (18.25)	15.9°C pH 7.[illegible], Q=550 SC 2100, 15
1200	195	56.05 (18.2[illegible])	550 GPM pH 8.[illegible] SC=2400, Q=550, 15.8
1300	[illegible]		T15.8, pH [illegible], SC 2200 [illegible]
1400	315	"	550 GPM " [illegible] Took 5 gals. [illegible] for qual. sample [illegible] to [illegible]
1500	[illegible]	"	
1550	434	"	545 flow, 2000 sc, 15.9°c, 8.[illegible]
1654	489	"	545 gpm, 1900 sc, 15.9°c, 8.2 ph
1[illegible]	560	[illegible] (18.48)	[illegible]

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. P2 - lower pump

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Steve Proffitt Datum: Top of Riser Casing.

Discharge of Pump: 550 gpm gallons per minute.

Static Water Level Before Pumping Began: (24.00) feet below top of casing.

Exact Time Pump Started: [illegible] on 9/11/5.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1901	616	[illegible]	[illegible]
1958	673	56.00	catch sample 15.9°C, 2050 SC, 8.4 PH, Q=550 gpm Q=489 flow
2100	735	56.0	555 G.P.M 16°C - PH 8.0, 2050 SC
2208	803	56.0	no change in the catch sample 550 gpm, 8.2 pH, 16°C T, 2100 SC.
[illegible]	865	[illegible]	550 gpm, [illegible]
2400	917	[illegible]	[illegible]
[illegible]	1033	[illegible]	" " " "
0405	1160	56.0	550 gpm, 1950 SC, PH 8.2, T 15.9
[illegible]	1180	[illegible]	" " " "
0800	1395	56.0	" " " catch sample
1000	1511	55.9 (18.71)	545 GPM 1880 SC, PH 8.2, 16°C, no change in the catch sample
1200	1635	56.0	1880 SC, PH 8.2, T 16.0, 0.66 Flume 545 Gauge
1359	1754	56.0	1880 SC, PH 8.2, T 16.0
1600	1875	56.0	*Took 1 gal. for quick sample. 550 gauge
1801	1996	56.0	" catch sample 1920 SC, 16°C, 8.2 pH, 545 gpm
1958	2113	56.0	1840 SC, 16°C, 8.2 pH, 545 gauge
2210	[illegible]	56.0	" " " "
9/13 0240	2255	55.9 ([illegible])	no change in the catch sample
0224	2484	55.9	" " "
0410	2605	55.9	SC 1850, 15.9°C, 8.2 pH, 546 gauge
0610	2725	55.8	catch sample taken
0801	2836	55.9	SC 1925, T 15.98°C, PH 8.0, 555 gpm
1003	2958	56.0	545 gpm, T 16.0°C, PH 8.0, SC 1910 no change in the sample

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. P2- lower pump

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Stewart & Proffitt Datum: Top of Riser Casing.

Discharge of Pump: 550 gpm gallons per minute.

Static Water Level Before Pumping Began: [illegible] feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on 0/[illegible]/5 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1147	[illegible]	56.0	[illegible] 545 gpm (gauge) 1920 SC, 16.0°CT, 8.2 pH
1506	3261	56.0	545 gpm (gauge) 1980 SC, 16.0°CT, 8.2 pH 0.66 in. (flume)
1705	3390	[illegible]	[illegible] 1980 SC, 16°C, 8.2
[illegible]	3495	55.9	540 gpm (flume), 2500, 16°C, [illegible]
2008	[illegible]	56.0	Catch Sample 2900-gauge 1900 [illegible]
2154	2669	[illegible]	1900 SC, 16.0°CT, 8.0 pH (P2 up 107.[illegible])
9/4 0012	[illegible]	[illegible]	[illegible] SC, 16.0°C, 8.0 [illegible]
0125	[illegible]	55.9	no change in catch sample taken
0400	[illegible]	[illegible]	1940 SC, 16°C, 8.2 pH 545 gpm
[illegible]	[illegible]	[illegible]	1960 SC, 16°CT, 8.2 PH 545 gpm
[illegible]	[illegible]	[illegible]	" " "
[illegible]	[illegible]	55.9	Catch Sample taken
1002	4397	55.9	[illegible] SC, 16°CT, [illegible] pH, 545 gpm (g)
[illegible]	4523	[illegible]	1900 SC, 16°C, 8.0 pH, 0.65 in. (fl)
1428	4663	55.9	No change in catch sample
1600	4755	56.0	Tock 1 gals sample for quality
1810	[illegible]	56.0	catch Sample 1910 SC, 16°C, 8.0 pH, 550 gpm
2004	[illegible]	56.5	P2 upper pump TOW @ 107.[illegible] feet.
2223	5138	[illegible]	" " " "
9/5 0125	5300	56.1	No change in catch sample
0402	5477	56.1	[illegible] SC, [illegible] pH, 550 gpm
0600	5595	56.1	1800 SC, 16°C, 8.0 pH, 0 2900500/[illegible]
0800	5715	56.2	SC 1920, 15.9°C, pH 8.0, 545 gpm
			SC 1800, 16.0°C, pH 8.2, 545 gpm
			Catch Sample SC 2000, 15.9°C, pH 8.4, "

PRELIMINARY DIRECT TO REVISION

Job. No. 1517-11

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Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P2 Lower pump

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 550 gpm ± gallons per minute.

Static Water Level Before Pumping Began: [illegible] feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on [illegible] (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1021	5956	56.2	NOTE: For the recovery period record time after pump stopped.
1202	5957	56.2	
1405	6080	56.3	pH 7.9, 2000 SC, 16°C [illegible]
1546	6181	57.0	No change in catch sample
1743	6293	[illegible]	pH 8.2, SC 1920, 16°C 545 gpm
1932	[illegible]	56.7	pH 8.0, 1800, 16.0°C, 540 gpm
2248	6603	56.1	pH 8.1, 2200 [illegible], 16.0°C, 545 gpm
9/16 0040	6715	56.1	8.6, 2500 SC, 16°C, 545 gpm
0413	6729	56.1	pH 8.2, SC 1650, T 16°C, 545 gpm/gauge 0.64 in (flume)
0810	7165	[illegible]	7.8, 16°, SC 2200, 545 gpm
1028	7278	[illegible]	1 gal. quality sample
1345	[illegible]	[illegible]	.64 (flume), 2200 SC, [illegible], 3 pH, catch sample
1547	7622	56.7	[illegible] - 20 gpm - [illegible]
1906	7821	56.2	[illegible]
2212	8007	56.2	1700 SC, 15.9°, 7.2 pH, .64 flume, No [illegible]
9/17 0115	8190	56.2	1500 SC, 16°, 8.0 pH, .64 flume
0428	8397	56.0	No change in catch sample
0600	8475	56.0	1700 SC, 16°, 7.9 pH, .65 (flume)
0900	[illegible]	56.1	1700, 16°, 8.1, .65 flume
1044	[illegible]	56.1	SC 2200, T 16°C, 0.65 in (flume), pH 7.6
1050	8765 - Shut off pump		SC 1860, T 16°C, .65 in (flume), pH 8.2
			" " " "

PRELIMINARY - SUBJECT TO REVISION

1060

60 | 8765

[illegible]

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Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. _____
DEEP AQUIFER PUMP TEST

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☒.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1050		62.0	NOTE: For the recovery period record time after pump stopped.
1050½		62.5	
1051		62.5	
1051½		62.5	
1052		62.5	
1052½		63.0	
1053		63.5	
1053½		63.5	
1054		63.5	
1054½		63.5	
1055		63.5	
1056		63.5	
1057		63.5	
1058		63.5	
1059		63.5	
1100		63.5	
1110		64.0	
1120		64.5	
1130		64.5	
1140		64.5	
1155		64.5	
9-17 1230		64.5	

PRELIMINARY - SUBJECT TO REVISION

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Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. _____
DEEP AQUIFER PUMP TEST

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1245		64.5	NOTE: For the recovery period record time after pump stopped.
1325		64.5	
1425		64.5	
1541		64.5	
1725		64.5	
9/20/79		64.5	
0700		64.1	
9/19 0746		64.1	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P2-lower pump
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Sims & Proffitt Datum: Top of Riser Casing.
Discharge of Pump: open discharge gallons per minute.
Static Water Level
Before Pumping Began: (64psi) feet below top of casing.
Exact Time Pump Started: 1330 (Hours) on 9/9/75 (Date).
Exact Time Pump Stopped: 1530 (Hours) on 9/9/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
	0	64.0	
	1/2	63.0	
	1	62.5	
	1/2	62.1	
	2	61.5	
	1/2	61.0	
	3	60.6	
	1/2	60.1	
	4	59.6	
	1/2	59.0	
	5	58.6	
	6	58.3	
	8	58.0	
	9	57.8	
	10	57.5	
	11	57.3	
	12	57.1	
	13	56.9	
	14	56.7	
	15	56.3	
	16	56.0	
	18	55.6	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P2-lower pump
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Proffitt & Siem Datum: Top of Riser Casing.

Discharge of Pump: open discharge gallons per minute.

Static Water Level Before Pumping Began: (64 psi) feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 9/9/5 (Date).

Exact Time Pump Stopped: 1530 (Hours) on 9/9/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
	19	55.1	
	21	57.0	chemical grapes.
	23	56.8	
	25	56.7	
	27	56.5	
	29	56.6	
	31	56.5	
	36	56.4	
	41	56.2	
	46	55.7	
	51	55.6	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P2-lower pump
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Proffitt & Sneine Datum: Top of Riser Casing.
Discharge of Pump: gen discharge gallons per minute.
Static Water Level
Before Pumping Began: (64ps.) feet below top of casing.
Exact Time Pump Started: 1330 on 9/9/5.
(Hours) (Date)
Exact Time Pump Stopped: 1530 on 9/9/5.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump ~~Started~~ Stopped, in minutes.	Water Level, in feet, below top of casing.	Notes
1530		55.5	← Recovery began here at t=0
	½	56.0	
	1	56.6	
	½	57.2	
	2	57.8	
	½	58.2	
	3	58.6	
	½	59.0	
	4	59.3	
	½	59.5	
	5	59.8	
	6	59.95	
	7	60.10	
	8	60.5	
	9	61.2	
	10	61.8	
	12	62.6	
	14	63.0	
	16	63.8	
	18	64.3	
	20	64.5	
	25	64.6	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P2-lower pump

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Proffitt & Siems Datum: Top of Riser Casing.

Discharge of Pump: Agen discharge gallons per minute.

Static Water Level Before Pumping Began: (64ps.) feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 9/9/5 (Date).

Exact Time Pump Stopped: 1530 (Hours) on 9/9/5 (Date).

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours	Time Since Pump was ~~Started~~ Stopped, in minutes.		
1600	30	64.6	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11
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Date: 9/5/5

WHITE RIVER SHALE PROJECT
AQUIFER TESTING
PUMP SIZING TEST

WELL NO. PII pump

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP-BAS Datum: Top of Riser Casing.

Discharge of Pump: 100 gpm gallons per minute.

Static Water Level Before Pumping Began: 45.5 psi – 157.6 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/5/75 (Date).

Exact Time Pump Stopped: 1515 (Hours) on 9/5/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
0951	06	[illegible].3	First 6 min lost due to settling of discharge rate to 100 gpm. NOTE: FOR the recovery period record time after pump stopped.
1/2	1/2	45.2	
0952	7	45.2	
1/2	1/2	45.2	2000 SC, 8.2 PH, T 13.82°C Flow 100 gpm
0953	8	45.2	
1/2	1/2	45.1	
0954	9	45.1	
1/2	1/2	45.1	
0955	10	45.1	
0956	11	45.1	
0957	12	45.1	
0958	13	45.	
0959	14	45.	
1000	15	45	
1001	16	44.9	
1002	17	44.9	
1003	18	44.9	
1004	19	44.8	
1005	20	44.8	T 14.4°C, SC 2000, PH 8.4, 100 gpm
1007	22	44.8	
1009	24	44.7	
1011	26	44.7	

PRELIMINARY SUBJECT TO REVISION

Job. No. 1517-11
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Date: 9/5/5

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. PII-Pump
DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: OP / BLS Datum: Top of Riser Casing.

Discharge of Pump: 100 gpm to 200 gpm gallons per minute.

Static Water Level Before Pumping Began: (45.5 psi) 157.60 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/5/75 (Date).

Exact Time Pump Stopped: 1515 (Hours) on 9/5/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1013	28	44.7	NOTE: For the recovery period record time after pump stopped.
1015	30	44.6	
1020	35	44.6	22,000 SC, 74.7°C, pH 8.4, 100 gpm
1025	40	44.6	
1030	45	44.5	
1035	50	44.5	
1040	55	44.4	
1045	60	44.3	
1048	63	44.1	CHANGED PUMP DISCHARGE RATE TO 200 gpm - Lost 3 min.
1/2	63½	44.1	
1049	64	44.	
1/2	64½	44.	
1050	65	44.	
1/2	½	44	
1051	66	44	
1/2	½	44	
1052	67	43.9	
1/2	½	43.9	
1053	68	43.9	
1/2	½	43.9	
1054	69	43.9	
1/2	½	43.8	

JOB. No. 1517-11
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Date: 9/5/5

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. PII-Pump

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level Before Pumping Began: (45.5 psi) 157.60 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/5/5 (Date).

Exact Time Pump Stopped: 1515 (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1055	70	43.8	NOTE: FOR the recovery period record time after pump stopped.
½	½	43.8	
1056	71	43.8	
½	½	43.7	
1057	72	43.7	
½	½	43.7	
1058	73	43.7	
1059	74	43.6	
1100	75	43.6	
1101	76	43.5	
1102	77	43.5	
1103	78	43.4	SC 2300, T 14.7°C, PH 8.8, Flow 200gpm
1104	79	43.4	
1105	80	43.4	
1106	81	43.4	
1107	82	43.4	
1108	83	43.4	
1110	85	43.3	
1112	87	43.3	SC 2200, T 14.8°C, PH 8.4, Flow 200gpm
1114	89	43.3	
1116	91	43.3	
1118	93	43.2	

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Date: 9/5/5

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

WELL NO. PT Pump
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP/DAS Datum: Top of Riser Casing.

Discharge of Pump: 200 gpm → 400 gpm gallons per minute.

Static Water Level Before Pumping Began: (1455 psi) 157.60 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/5/5 (Date).

Exact Time Pump Stopped: 1515 (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1123	98	43.2	NOTE: For the recovery period record time after pump stopped.
1128	103	43.1	
1132	108	43.1	
1137	113	43.1	
1142	118	43.	
1147	123	42.0	Lost 3 min. settling pump kicking to 400 GPM
1/2	1/2	41.95	
1148	124	41.95	
1/2	1/2	41.9	
1149	125	41.90	
1/2	1/2	41.90	
1150	126	41.85	
1/2	1/2	41.85	
1151	127	41.80	
1/2	1/2	41.80	
1152	128	41.80	
1/2	1/2	41.85	
1153	129	41.80	
1/2	1/2	41.80	
1154	130	41.80	
1/2	1/2	41.79	
1155	131	41.79	

PRELIMINARY-SUBJECT TO REVISION

JOB. No. 1517-11
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Date: 9/5/5

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☐.

WELL NO. PTT pump
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP/BAS Datum: Top of Riser Casing.
Discharge of Pump: [illegible] gallons per minute.
Static Water Level
Before Pumping Began: (45.5 psi) 157.60 feet below top of casing.
Exact Time Pump Started: 0245 on 9/5/5.
(Hours) (Date)
Exact Time Pump Stopped: 15/5 on 9/5/5.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1/2	1/2	41.77	NOTE: For the recovery period record time after pump stopped.
1156	132	41.76	
1/2	1/2	41.74	
1157	133	41.70	
1/2	1/2	41.70	
1159	134	41.65	
1/2	1/2	41.58	
1200	135	41.55	
1201	136	41.50	
1202	137	41.45	
1203	138	41.40	
1204	139	41.40	
1205	140	41.30	
1207	142	41.22	
1209	144		settling gpm
1211	146		settling gpm
1213	148		settling gpm
1215	150	[illegible]	
1220	155	~41.3	
1225	160	~41.2	
1230	165	41.0	
1235	170	41.0	

[illegible] - SUBJECT TO REVISION

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Date: 9/5

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☐.

WELL NO. PII pump

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP/BAS Datum: Top of Riser Casing.

Discharge of Pump: 450 ± gallons per minute.

Static Water Level Before Pumping Began: (45.5 psi) 157.60 feet below top of casing.

Exact Time Pump Started: 0045 (Hours) on 9/5/5 (Date).

Exact Time Pump Stopped: 1515 (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1240	175	[illegible]	NOTE: FOR the recovery period record time after pump stopped.
1245	180	[illegible]	
1250	185	40.0	
1255	[illegible]	[illegible]	Setting gpm (decl. to 280, then up to 520)
1300	[illegible]	[illegible]	
1305	[illegible]	[illegible]	
1310	205	39.5	
1315	212	39.3	
13:20	215	39.2	
13:2[illegible]	220	40	Let new air in
13:[illegible]	225	39.9	16°C, 8.5pH, 100mmhos
13:35	[illegible]	[illegible]	
13:40	[illegible]	[illegible]	flume reads .53-5m.
13:45	245	39.7	amt [illegible]
1/2	1/2	39.7	223300 at 240 min
1346	241	40.	
1/2	[illegible]	40.	
1347	[illegible]	"	
1/2	1/2	"	
1348	[illegible]	"	
1/2		"	
1349	[illegible]	"	

PRELIMINARY - SUBJECT TO REVISION

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. PT pump
DEEP AQUIFER PUMP TEST

STAGE OF TEST:
(Check one) PUMP ☑
RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP/BAS Datum: Top of Riser Casing.
Discharge of Pump: 450 gpm gallons per minute.
Static Water Level
Before Pumping Began (45.5 pm) 157.6 feet below top of casing.
Exact Time Pump Started: 0845 (Hours) on 9/5/5 (Date).
Exact Time Pump Stopped: 1515 (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1/2	1/2	"	NOTE: For the recovery period record time after pump stopped.
1350	245	"	
1/2	1/2	"	
1351	246	"	
1/2	1/2	"	
1352	247	"	
1/2	1/2		
1353	248	"	
1/2	1/2		
1354	249	"	
1/2	1/2	"	
1355	250	39.9	
1356	251	"	
1357	252	"	
1358	253	"	
1359	254	"	
1400	255	39.8	
1401	256	"	
1402	257	"	
1403	258	"	
1404	259	"	
1405	260	39.8	

PRELIMINARY-SUBJECT TO REVISION

JOB. No. 1517-11
Page 8 of 80.
Date: 9/5/5

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. PII pump
DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☑.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP/BAS Datum: Top of Riser Casing.

Discharge of Pump: 450 gpm ± gallons per minute.

Static Water Level Before Pumping Began: 9/5/5 157.6 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/5/5 (Date). 319 bop. 310 boAC

Exact Time Pump Stopped: 1515 (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (1 Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1407	262	[illegible]	NOTE: For the recovery period record time after pump stopped.
1409	264	[illegible]	
1411	266	[illegible]	
1413	268	29.3	
1415	270	[illegible]	[illegible] meter discharged 017000
1420	275	[illegible]	
1425	280	[illegible]	15.2°C, 84 [illegible], <500 mmhos
1430	285		
1435	290		
1439	294	[illegible]	
1445	300	38.1	
1455	310	38.0	
1505	320	37.5	Recovery began at 0515 Hrs
1/2	1/2	37.6	
1516	1	37.9	
1/2	1/2	37.95	
1517	2	38.05	
1/2	1/2	38.05	
1518	3	38.05	
1/2	1/2	[illegible]	
1519	4	38.15	
1/2	1/2	38.15	

0515 pump off

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. PII Pump

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP/RB Datum: Top of Riser Casing.

Discharge of Pump: — 0 — gallons per minute.

Static Water Level Before Pumping Began: (45.5 ft) 157.6 feet below top of casing.

Exact Time Pump Started: 1045 (Hours) on 9/5/5 (Date).

Exact Time Pump Stopped: 1515 (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1520	5	38.2	
1/2	1/2	38.3	
1521	6	38.3	
1/2	1/2	38.4	
1522	7	38.5	
1/2	1/2	38.5	
1523	8	38.5	
1/2	1/2	38.5	
1524	9	38.5	
1/2	1/2	38.5	
1525	10	38.0	
1526	11	38.0	
1527	12	38.0	
1528	13	38.0	
1529	14	38.0	
1530	15	38.0	
1531	16	38.0	
1532	17	38.0	
1533	18	38.0	
1534	19	38.0	
1535	20	38.0	
1536	21	38.0	

LIBRARY SUBJECT TO

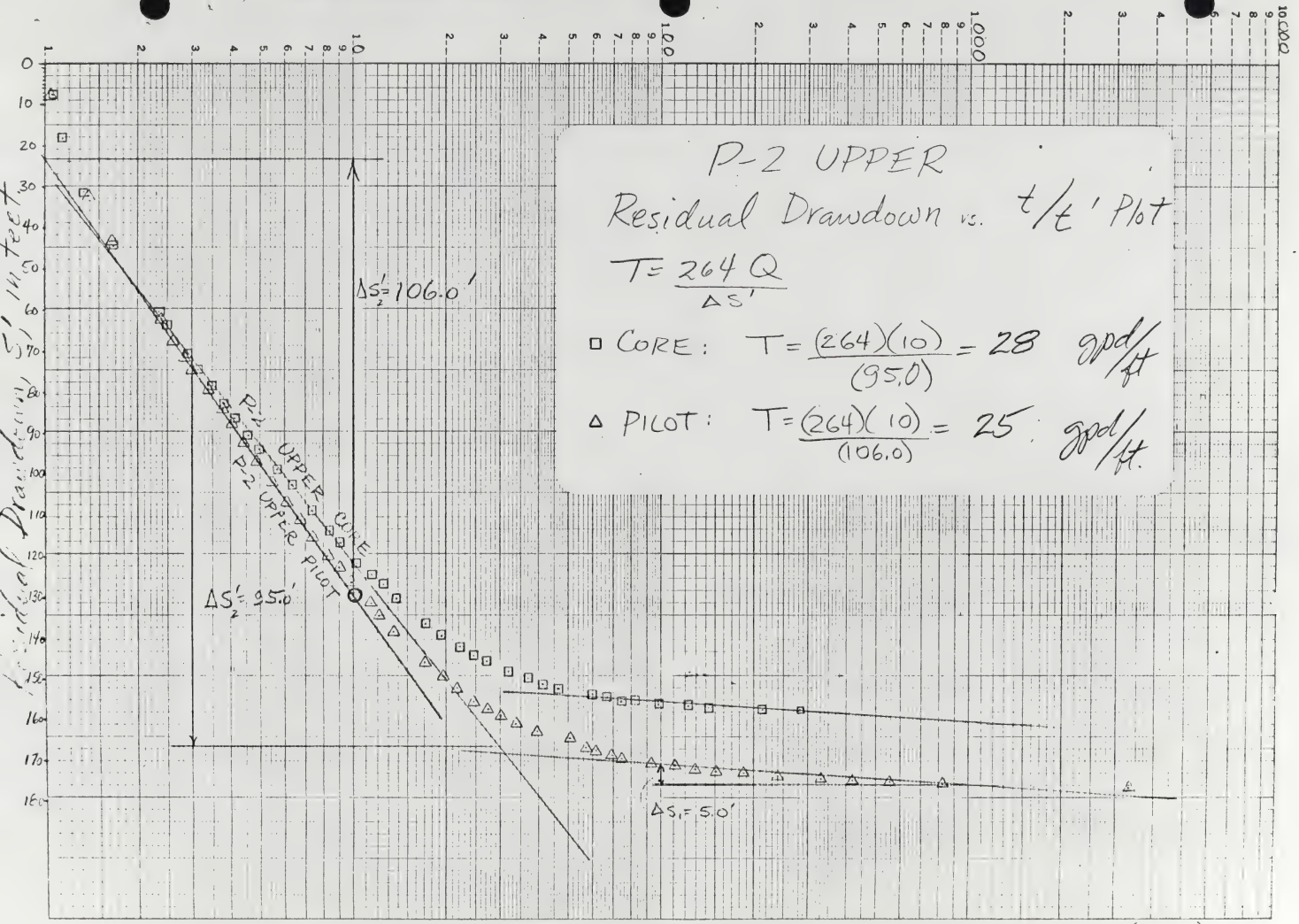
PIEZOMETER NO. PII pump
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP/BJS Datum: Top of Riser Casing.
Discharge of Pump: —o— recovery gallons per minute.
Static Water Level Before Pumping Began: (45.5 psi) 157.6 feet below top of casing.
Exact Time Pump Started: 0945 (Hours) on 9/5/5 (Date).
Exact Time Pump Stopped: 1515 (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1537	22	38.0	
1538	23	38.0	
1539	24	38.0	
1540	25	37.9	
1548	33	37.5 (43.5)	
1600	45	44.0	
17:00	105	44.0	
9/6/5 - 1058	—	44.0	
9/7/5 - 1100		44.0	
9/8/5 - 1345		44.0	gauge removed to P1 pump

K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 6013



JOB NO.: 1517-11
Page 1 of —
Recorded by: JOT/LE

Well No.: P-2 UPPER COW
Stage of Test (check one):
☐ Pump
☒ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: 10 gallons per minute
STATIC WATER LEVEL DEPTH: feet
EXACT TIME PUMP STARTED: 1772 (HOURS) ON 8/18/75 (DATE)
EXACT TIME PUMP STOPPED: — (HOURS) ON — (DATE)

EXACT TIME			PUMPING DATA				RECOVERY DATA		
of day (clock)	Since Pump Started, t, minutes. (1710 +)	Since Pump Stopped, t', minutes.	Water Level Depth, Feet	Drawdown s, Feet	Ratio $\frac{t}{t'}$	Residual Drawdown S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	1716	6			286.33	157.72			
	1718	8			214.75	157.52			
	1720	10			172.00	157.27			
	1722	12			143.50	157.02			
	1724	14			123.14	156.75			
	1726½	17½			98.71	156.34			
	1731	21			82.43	155.57			
	1733	23			75.26	155.17			
	1736	26			66.27	154.57			
	1739	29			59.27	153.97			
	1742	32			54.44	153.34			
	1747½	37½			46.60	152.17			
	1752½	42½			41.24	151.03			
	1757½	47½			37.02	149.91			
	1765	55			32.09	148.17			
	1768	58			30.48	147.55			
	1775	65			27.31	145.90			
	1782	72			24.75	144.15			
	1791	81			22.11	142.10			
	1802½	92½			19.50	139.35			
	1815	105			17.29	136.36			
	1843	133			13.86	130.15			
	1862	150			12.40	126.92			
	1873	163			11.49	124.27			
	1888	188			10.10	121.77			

PRELIMINARY - SUBJECT TO REVISION

JOB NO.: 1517-11
Page 2 of
Recorded by:

Well No.: P-2 upper core
Stage of Test (check one):
☐ Pump
☑ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: _____ gallons per minute
STATIC WATER LEVEL DEPTH: _____ feet
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE)
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE)

EXACT TIME			PUMPING DATA				RECOVERY DATA		
of day (clock)	Since Pump Started, t, minutes. (1710 T)	Since Pump Stopped, t', minutes.	Water Level Depth, Feet	Drawdown s, Feet	Ratio $\frac{t}{t'}$	Residual Drawdown S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	1970	210			[illegible]	116.74			
	1941	231			7.40	113.67			
	1981	271			7.31	108.87			
	1989	289			6.92	[illegible]			
	2033	323			6.34	102.64			
	2076	366			5.67	98.84			
	2140	430			4.98	92.94			
	2192	482			4.55	90.07			
	2252	542			4.15	85.29			
	2290	580			3.95	83.97			
	2312	602			3.84	82.83			
	2343	633			3.70	81.09			
	2403	693			3.47	78.47			
	2440	730			3.34	76.99			
	2464	754			3.27	75.82			
	2506	796			3.15	74.48			
	2523	813			3.10	73.67			
	2549	839			3.04	72.85			
	2581	871			2.96	71.78			
	2608	898			2.90	70.88			
	2641	931			2.84	69.83			
	2671	961			2.78	68.87			

PRELIMINARY - SUBJECT TO REVISION

JOB NO.: 151711
Page 3 of
Recorded by:

Well No.:
Stage of Test (check one):
☐ Pump
☑ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: _____ gallons per minute
STATIC WATER LEVEL DEPTH: _____ feet
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE)
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE)

EXACT TIME			PUMPING DATA			RECOVERY DATA			
of day (clock)	Since Pump Started, t, minutes.	Since Pump Stopped, t', minutes.	Water Level Depth, Feet	Drawdown s, Feet	Ratio $\frac{t}{t'}$	Residual Drawdown S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	2726	1026			2.67	67.16			
	2796	1086			2.57	65.32			
	2856	1146			2.49	63.59			
	2916	1206			2.42	62.19			
	2973	1263			2.35	60.48			
	4256	2546			1.67	44.55			
	4373	[illegible]			1.64	42.77			
	6732	[illegible]			1.34	31.38			
	7905	6195			[illegible]	27.61			
	9684	7974			1.21	25.29			
1120	10750	9040			1.19	23.37			
1130	12300	10490			1.16	21.12			
1235	13795	11985			1.14	18.27			
2030	32000	31190			1.0548	8.71			
0527	36317	34607			1.0494	8.01			
1347	38257	36547			1.0468	7.94			
1618	39848	[illegible]			[illegible]	7.86			
0830	40700	[illegible]			1.0438	7.81			
2000	41510	[illegible]			1.0430	7.62			

Job No. [illegible]
Page 1 of ___.
Recorded by: J.W. Thackston

Well No. [illegible]
Stage of Test (check one)
☑ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING.
DISCHARGE OF PUMP: 10 gallons per minute.
STATIC WATER LEVEL DEPTH: 101.33 feet.
EXACT TIME PUMP STARTED: 1330 (HOURS) ON 8/18/75 (DATE).
EXACT TIME PUMP STOPPED: 1800 (HOURS) ON 8/19/75 (DATE).

EXACT TIME			PUMPING DATA		RECOVERY DATA				
of day (clock)	since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAW-DOWN, s, feet.	RATIO t/t'	RESIDUAL DRAW-DOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
	5	-	—	3.29					
	6½			4.70					
	7½			5.77					
	8½			6.09					
	9½			7.54					
	14			9.66					
	17			12.02					
	20			13.57					
	22			14.03					
	26½			17.02					
	34½			20.82					
	42			23.04					
	46			24.31					
	55			26.50					
	58½			27.24					
	62			28.17					
	65½			28.97					
	68½			29.60					
	73			30.51					
	76½			31.20					
	87			33.91					
	93½			35.48					
	1806			306/6					

PRELIMINARY - SUBJECT TO REVISION

Page 2 of ___.
Recorded by: _____.

Stage of Test (check one)
☑ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING.
DISCHARGE OF PUMP: _____ gallons per minute.
STATIC WATER LEVEL DEPTH: _____ feet.
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE).
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE).

EXACT TIME		PUMPING DATA		RECOVERY DATA				
since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAW-DOWN, s, feet.	RATIO t/t'	RESIDUAL DRAW-DOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
101 1/2			37.54					
127 1/2			43.39					
139			46.32					
167			51.82					
186			55.08					
203			58.05					
216			60.48					
229			62.87					
239			64.20					
253			65.60					
270			67.27					
289			69.47					
305			71.04					
319			72.42					
345			74.85					
358			76.24					
370			77.37					
400			80.17					
410			80.97					
436			83.17					
456			85.22					
470			86.25					

PRELIMINARY SUBJECT TO REVISION

Job. No. ____.
Page 3 of ____.
Recorded by: _____.

WELL No. P-2 CORE.
Stage of Test (check one)
☑ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING.
DISCHARGE OF PUMP: _____ gallons per minute.
STATIC WATER LEVEL DEPTH: _____ feet.
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE).
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE).

EXACT TIME			PUMPING DATA		RECOVERY DATA				
f y ck)	since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAW-DOWN, s, feet.	RATIO t/t'	RESIDUAL DRAW-DOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
	495			88.17					
	508			89.07					
	523			89.46					
	546			92.72					
	556			93.87					
	569			95.21					
	592			96.72					
	609			97.74					
	637			99.34					
	754			105.87					
	779			106.40					
	813			108.45					
	843			110.89					
	872			113.49					
	901			115.77					
	942			118.37					
	963			119.83					
	993			121.71					
	1023			123.51					
	1055			124.52					
	1077			126.89					
	1121			129.52					

PRELIMINARY - SUBJECT TO REVISION

Page 4 of ___.
Recorded by: _____.

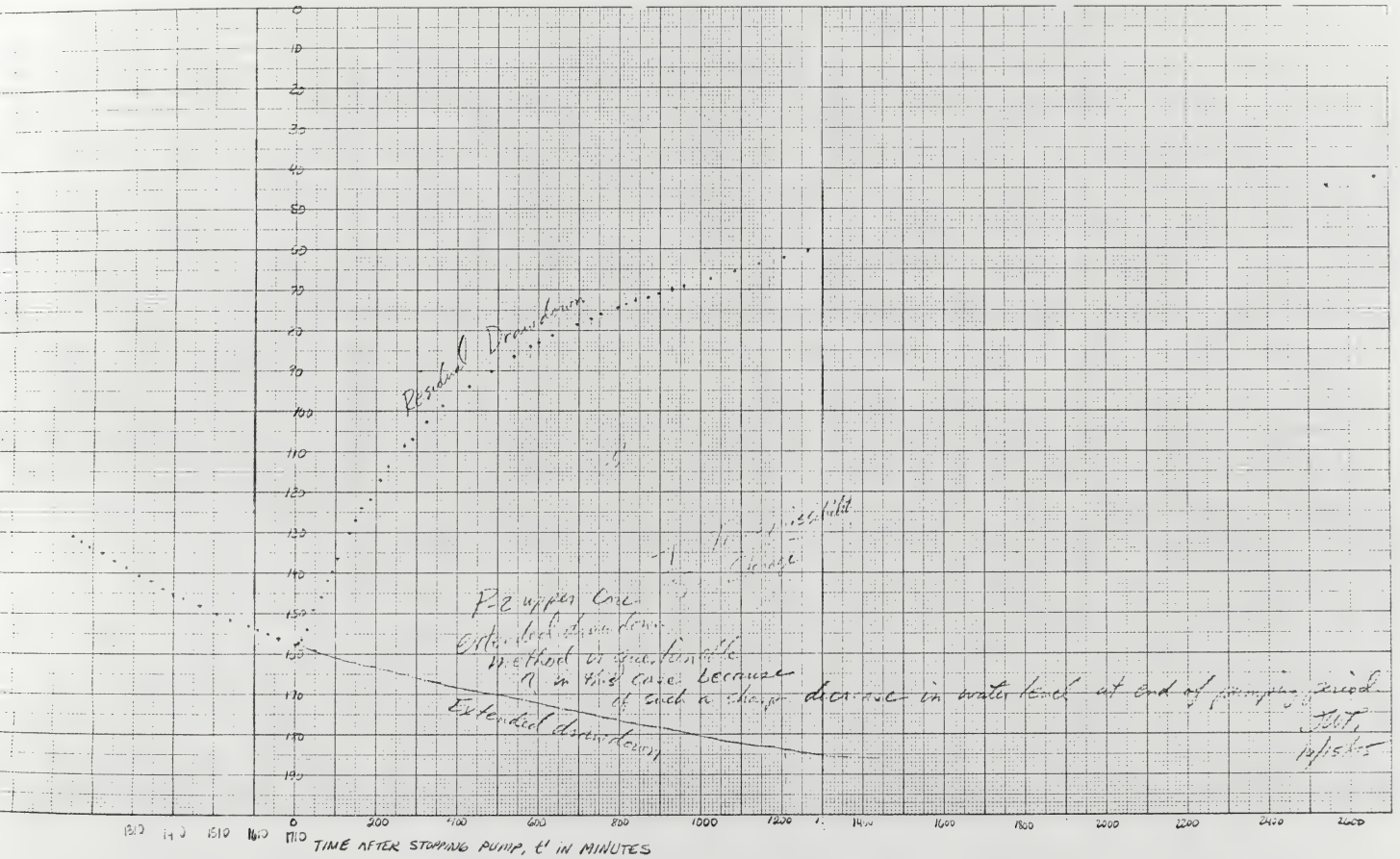
Stage of Test (check one)
☑ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING.
DISCHARGE OF PUMP: _____ gallons per minute.
STATIC WATER LEVEL DEPTH: _____ feet.
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE).
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE).

EXACT TIME		PUMPING DATA		RECOVERY DATA				
since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAW-DOWN, s, feet.	RATIO t/t'	RESIDUAL DRAW-DOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
1138			130.72					
1179			132.74					
1202			133.70					
1233			134.93					
1265			137.04					
1291			138.59					
1323			140.55					
1352			142.14					
1385			143.91					
1409			145.52					
1434			146.57					
1476			148.27					
1518			149.91					
1552			151.33					
1598			153.17					
1618			153.90					
1644			154.94					
1672			155.97					
1710			157.67					

PRELIMINARY [illegible] TO REVISION


Residual Drawdown
Extended drawdown
TIME AFTER STOPPING PUMP, t' IN MINUTES

JOB. No. 1517-11

Page 1 of ___.

Date: 8/18/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

WELL NO. P-2 Upper CORE

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM Datum: Top of Riser Casing.

Discharge of Pump: 10 gallons per minute.

Static Water Level Before Pumping Began: @ 8/18 1200 101.33' feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: 1800 (Hours) on 8/19 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes. (1)	Water Level, in feet, below top of casing.	Notes
	5	104.62'	NOTE: For the recovery period record time after pump stopped.
	6½	106.03'	
	7½	107.10'	For the first 5 min JWT & Cal were adjusting the pump discharge to 10 gpm.
	8½	107.42'	
	9½	108.87	
	14	110.99'	
	17	113.35'	
	20	114.9'	
	22	115.36'	
	26½	118.35'	
	34½	122.15'	
	42	124.37'	
	46	125.64'	
	55	127.83'	
	58½	128.57'	
	62	129.50'	
	65½	130.30'	
	68½	130.93	
	73	131.84	
	76½	132.53	
	87	135.24	
	93½	136.81	

(3) STATIC Water Level — successive water levels Drawdown (3)

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1512-11

Page 2 of ___.

Date: 8/18/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P-2 upper

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM Datum: Top of Riser Casing.

Discharge of Pump: 10 gpm gallons per minute.

Static Water Level Before Pumping Began: 101.33' feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (4 Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
	101½	138.81	NOTE: For the recovery period record time after pump stopped.
	127½	144.72	
	139	147.65	JWT relieved D.M.
1617	167	153.15	
1636	186	156.41	160.00 − .62 = 159.38
1653	203	159.38	
1706	216	161.81	
1719	229	164.20	
1729	239	165.53	
1743	253	166.93	Stevens Recorder shows no drawdown in P-2 lower(ko
1800	270	168.60	
1819	289	170.80	175.00 − 1.25 = 173.75
1835	305	172.37	
1849	319	173.75	
1915	345	176.18	
1928	358	177.57	
1940	370	178.70	
2010	400	181.50	
2020	410	182.30	
2046	436	184.50	
2106	456	186.55	
2120	470	187.58	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 3 of ___.

Date: 8/18/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P-2 Upper CORE

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: J.W.T. / D.M. Datum: Top of Riser Casing.

Discharge of Pump: 10 gallons per minute.

Static Water Level Before Pumping Began: 101.33 feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
2145	495	189.5	NOTE: For the recovery period record time after pump stopped.
2158	508	190.40	
2213	523	190.79	
2236	546	194.05	
2246	556	195.20	200.00 93 199.07
2259	569	196.54	
2322	592	198.05	
2339	609	199.07	
2407	637	200.67	
0204	754	207.26	
0229	779	207.73	
0253	813	209.78	
0323	843	212.22	
0402	872	214.82	
0431	901	217.10	
0512	942	219.7	
0538	963	221.16	
0603	993	222.94	
0633	1023	224.84	
0705	1055	225.85	
0727	1077	228.22	
0811	1121	230.85	

102.2
56.6
45.6
2.3
1368
912
104.88

now the rocks. [illegible] me this isn't a good place [illegible] a dam

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11
Page 3 of ___.
Date: 8-19-75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P-2 upper core
DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: DM Datum: Top of Riser Casing.

Discharge of Pump: 10 gallons per minute.

Static Water Level Before Pumping Began: 101.33 feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8-18-75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
0823	1138	232.02	NOTE: For the recovery period record time after pump stopped.
0909	1179	234.07	
0932	1202	235.03	1440 + 180 = 1620 = 27 hrs.
1003	1233	236.25	
1033	1265	[illegible].37	
1101	1291	239.92	
1133	1323	241.88	
1202	1352	243.17	
1235	1385	245.24	
1259	1409	246.85	
1326	1434	247.90	
1406	1476	249.60	28 hours = 1680 min.
1448	1518	251.24	
1522	1552	252.66	
1608	1598	254.50	
1628	1618	255.23	
1654	1644	256.27	Stevens Recorder on P-2 upper indicates that there is still no drawdown in P-2 Lower Core.
1722	1672	257.30	
1800	↑ 1710	259.6 —	
	6 —	259.05 —	
	8 —	258.85 —	
	10 —	258.60 —	

PRELIMINARY REVISION

259.05
101.33
Recorded drawdown

JOB. No. 1517-11

Page ___ of ___.

Date: 8/19/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☑.

WELL NO. P-2 Upper Core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT Datum: Top of Riser Casing.

Discharge of Pump: ——— gallons per minute.

Static Water Level Before Pumping Began: 101.33 feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: 1800 (Hours) on 8/19/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
	12	258.35	NOTE: For the recovery period record time after pump stopped.
	14	258.08	
	17½	257.67	
	21	256.90	
	23	256.50	
	26	255.90	
	29	255.30	
	32	254.67	
	37½	253.50	
	42½	252.36	
	47½	251.24	
	55	249.50	
	58	248.88	
	65	247.23	
	72	245.48	
	81	243.43	
1932½	92½	240.68	
1945	105	237.69	
2013	133	231.48	
2030	150	228.25	
2043	163	225.60	
2108	188	223.10	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page ___ of ___.

Date: 8/19/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P-2 UPPER

DEEP AQUIFER PUMP TEST CORE

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☑

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT Datum: Top of Riser Casing.

Discharge of Pump: — gallons per minute.

Static Water Level Before Pumping Began: 101.33 feet below top of casing.

Exact Time Pump Started: 1320 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: 1800 (Hours) on 8/19/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
2130	210	218.07	NOTE: For the recovery period record time after pump stopped.
2151	231	215.00	
2231	271	210.20	
2249	289	208.23	
2323	323	203.97	
8/19 0026	366	200.17	
0110	430	195.27	
0202	482	191.4	
0302	542	187.62	
0340	580	185.30	
0402	602	184.16	
0433	633	182.42	
0533	693	179.8	
0610	730	178.32	
0634	754	177.15	
0716	796	175.81	
0743	823	175.00	
0759	839	174.18	
0831	871	173.11	
0858	898	172.21	
0931	931	171.163	
1001	961	170.20	

220.00
-1.93
218.07

PRELIMINARY - SUBJECT TO REVISION

Page ___ of ___.

PIEZOMETER NO. P-2 Upper Core
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: DM-JP Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

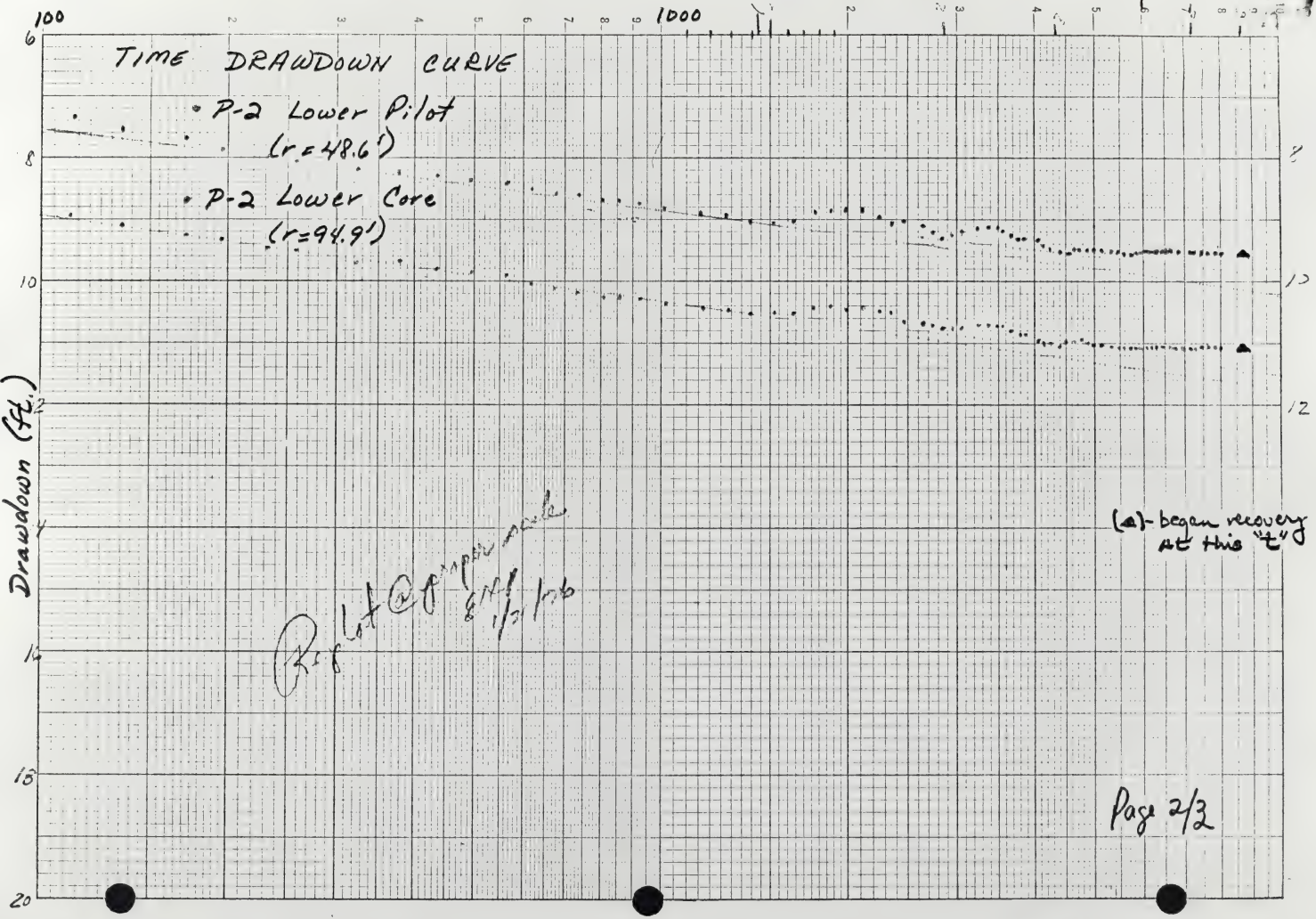
Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
19			
1106	[illegible]	168.49	
1206	[illegible]	166.65	
1306	[illegible]	164.92	
1406	[illegible]	163.52	
8/20 1503	[illegible]	161.81	
8/21 1723	2546	145.88	
8/21 [illegible]	2663	144.1	
8/22 1631	5022	132.71	
[illegible]	6195	128.94	
8/23 1751	7974	126.62	
8/24 [illegible]	9040	124.70	
8/26 1130	10490	122.05	
[illegible]	11995	[illegible]	1487 [illegible] B[illegible]
9/10 2030	31120	110.04	
9/12 0527	34607	109.30	
9/13 1347	36547	109.27	
9/14 1618	37738	109.19	
9/15 0800	29080	109.14	
9/16 2000	39800	108.95	

K+E SEMI-LOGARITHMIC 46 4973
2 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.



9/12/75

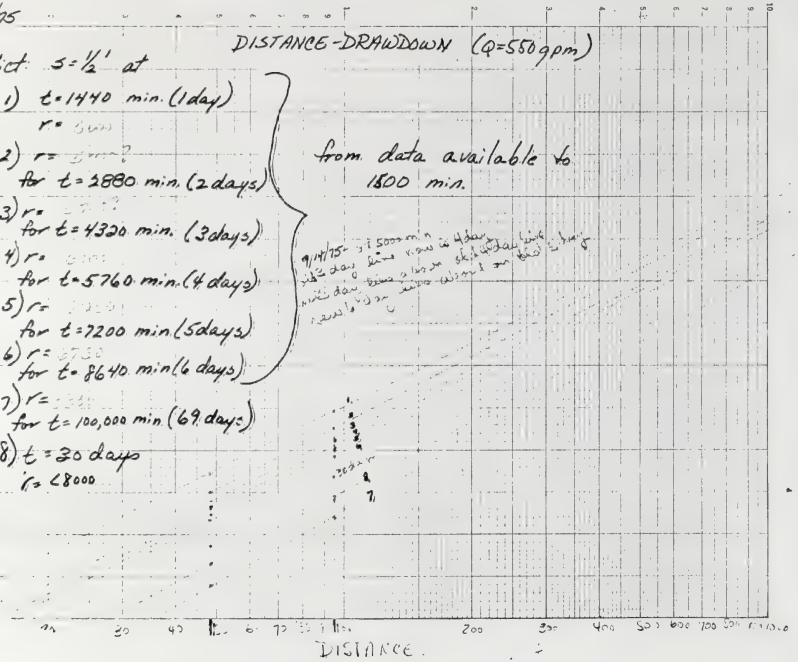
DISTANCE-DRAWDOWN (Q=550 gpm)

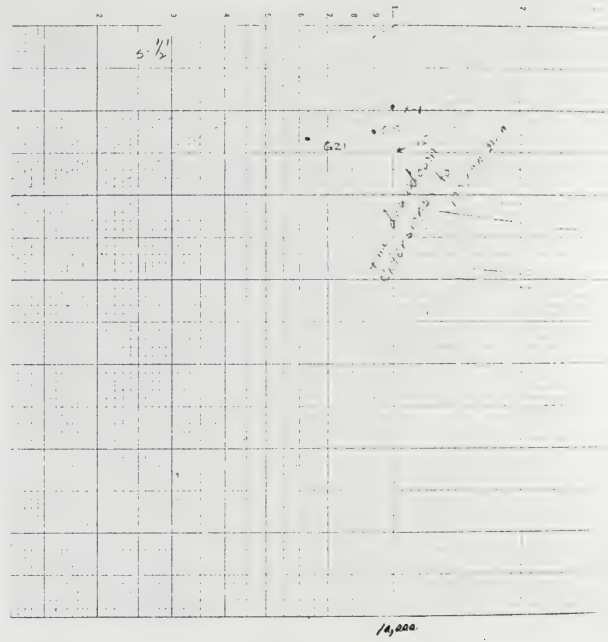
Predict: s = 1/2' at

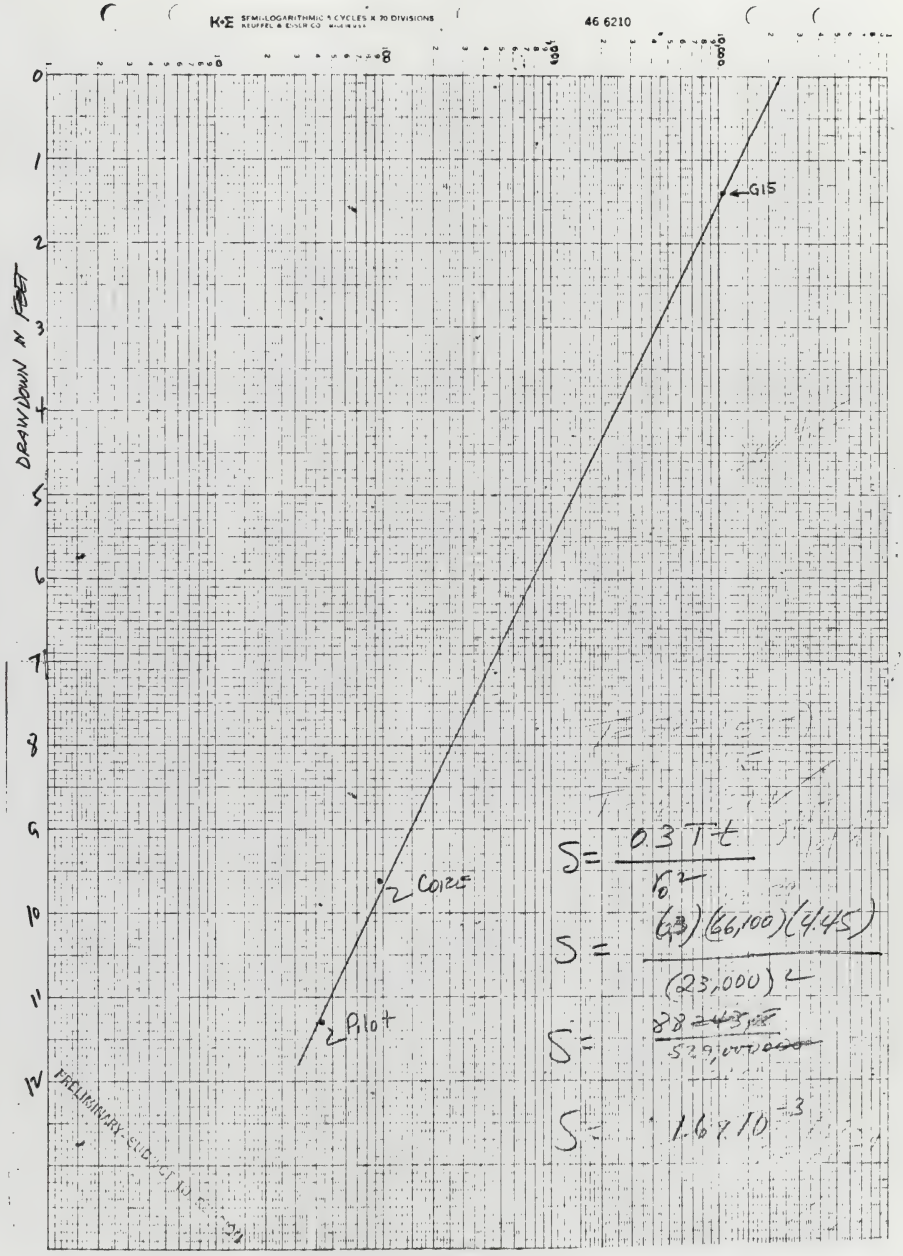
1) t = 1440 min. (1 day)
   r = [illegible]
2) r = [illegible]
   for t = 2880 min. (2 days)
3) r = [illegible]
   for t = 4320 min. (3 days)
4) r = [illegible]
   for t = 5760 min. (4 days)
5) r = [illegible]
   for t = 7200 min. (5 days)
6) r = [illegible]
   for t = 8640 min. (6 days)
7) r = [illegible]
   for t = 100,000 min. (69 days)
8) t = 30 days
   r = <8000

from data available to 1500 min.

9/14/75 - at 5000 min
[illegible] day line now is 4 day
[illegible] day line also [illegible]
[illegible] day line also [illegible]







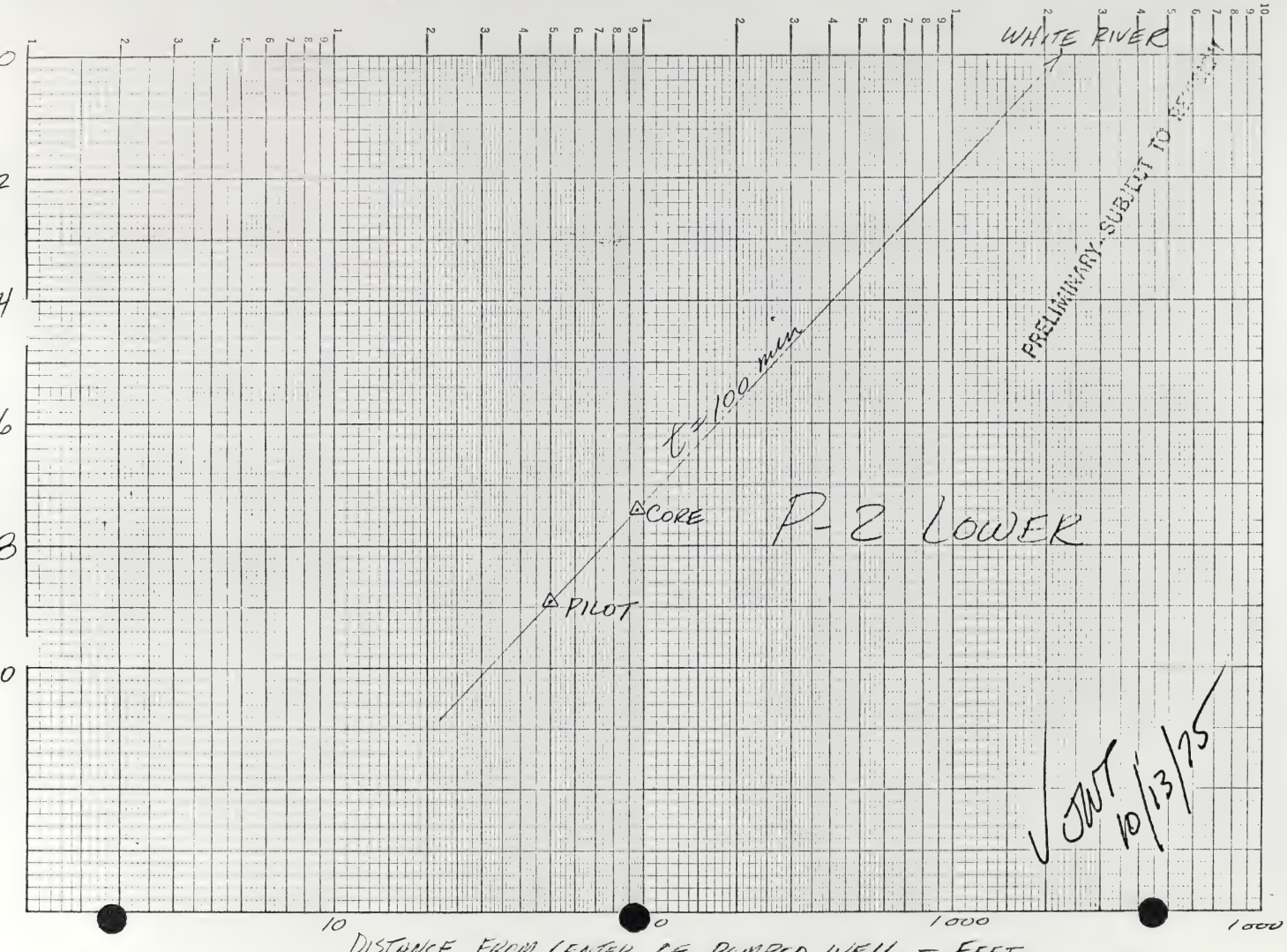
$$S = \frac{0.3\,Tt}{r_0^2}$$

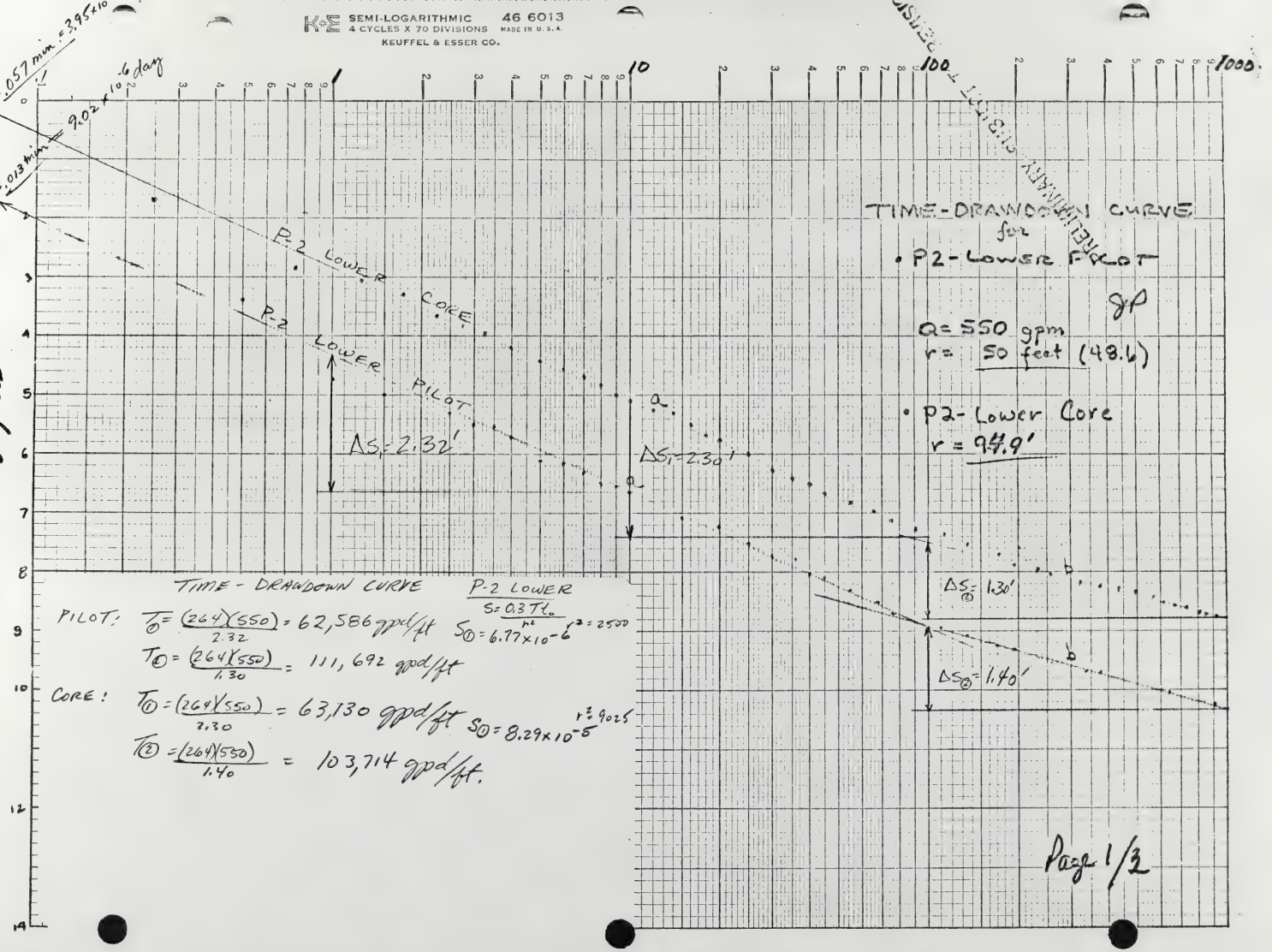
$$S = \frac{(0.3)(66{,}100)(4.45)}{(23{,}000)^2}$$

$$S = \frac{88\,243}{529{,}000{,}000}$$

$$S = 1.67 \times 10^{-3}$$

K+E SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.





TIME - DRAWDOWN CURVE P-2 LOWER

$S = 0.3\,T t_0$

PILOT: $T_{①} = \frac{(264)(550)}{2.32} = 62{,}586$ gpd/ft $S_{①} = 6.77\times10^{-6}$ $r^2 = 2500$

$T_{②} = \frac{(264)(550)}{1.30} = 111{,}692$ gpd/ft

CORE: $T_{①} = \frac{(264)(550)}{2.30} = 63{,}130$ gpd/ft $S_{①} = 8.29\times10^{-5}$ $r^2 = 9025$

$T_{②} = \frac{(264)(550)}{1.40} = 103{,}714$ gpd/ft.

TIME SINCE STARTING PUMP (in minutes)

K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS 46 6013 MADE IN U.S.A. KEUFFEL & ESSER CO.

RATIO - t/t'

WATERFLOOD OIL SHALE PROJECT

PRELIMINARY
RESIDUAL RECOVERY CURVE
for:
P2-Lower pilot

2.16

AVG. PUMPING RATE: 545 gpm

$$T = \frac{264Q}{\Delta s} = \frac{264(545)}{2.16}$$

$$T = 66{,}611.1 \text{ gpd/ft} \quad (\text{gpm/ft})$$

WHITE RIVER OIL SHALE PROJECT

K+E SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO.

PRELIMINARY

TIME RECOVERY CURVE
for
P2: Lower Pilot

$t_0 = 0.002$ min.

$t_0 = 0.0000013$ day

$r = 48.6$ feet

$T = \frac{264Q}{\Delta s'} = \frac{264(545)}{2.19}$

$T = 65,698.63$ gal/ft

$S = \frac{0.3 T t_0}{r^2} = \frac{(0.3)(65,698.63)(1.3 \times 10^{-6})}{2361.96}$

$S = 0.0000018 = 1.8 \times 10^{-5}$

TIME AFTER PUMPING STOPPED (in minutes)

K+E SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO.

General note

For (s-s') calculation
s was taken to be a
constant because the
time-drawdown curve for
P2 low/core plotted on a
horizontal line.

Sept 18, 1975
Jerry [illegible]

Out
of
Order

3/22/2010

JOB. No. 1517-11

Page 2 of ___.

Date: 8/17

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

WELL NO. P-1 (CORE)

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM Datum: Top of Riser Casing.

Discharge of Pump: 50 → gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

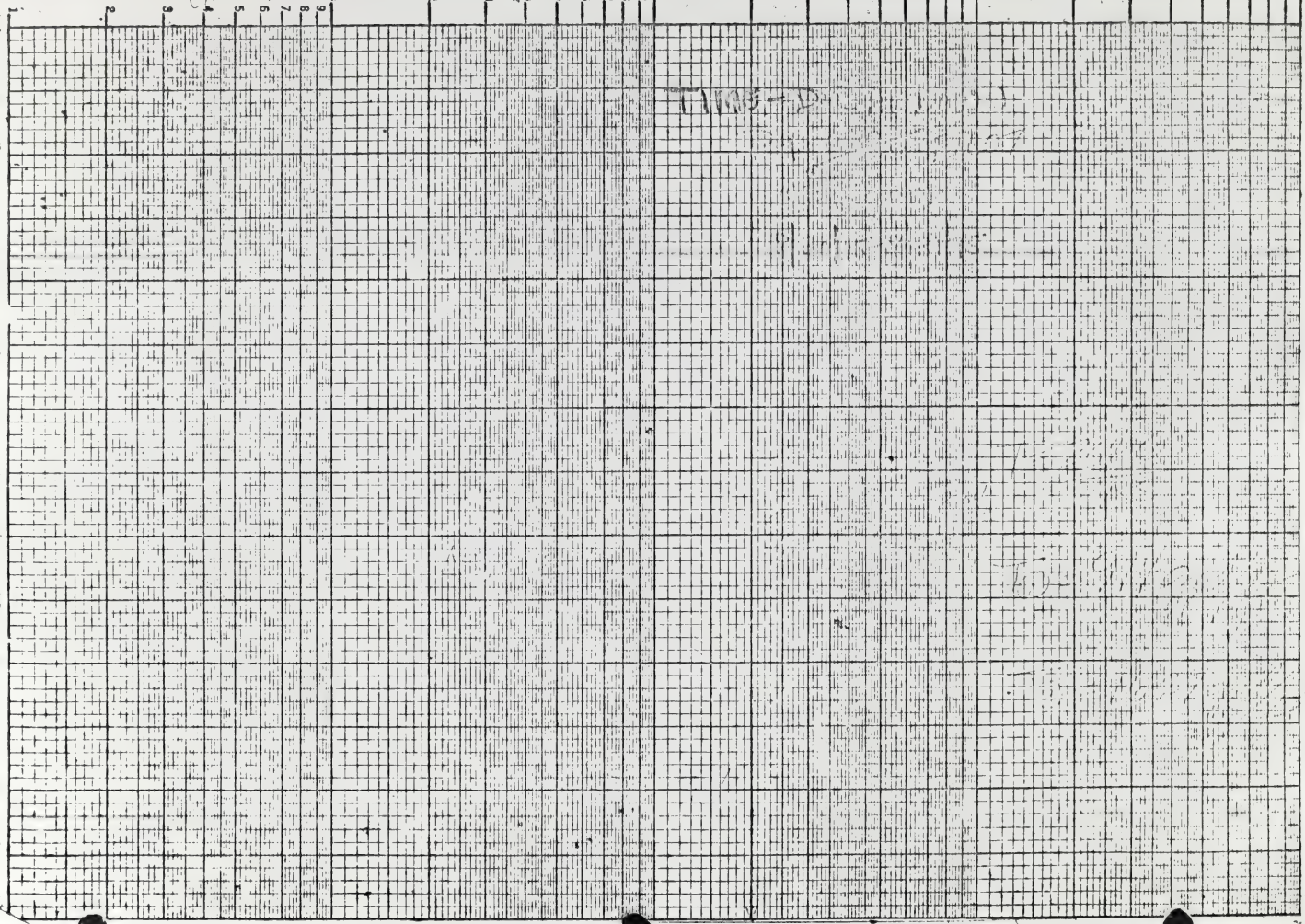
Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

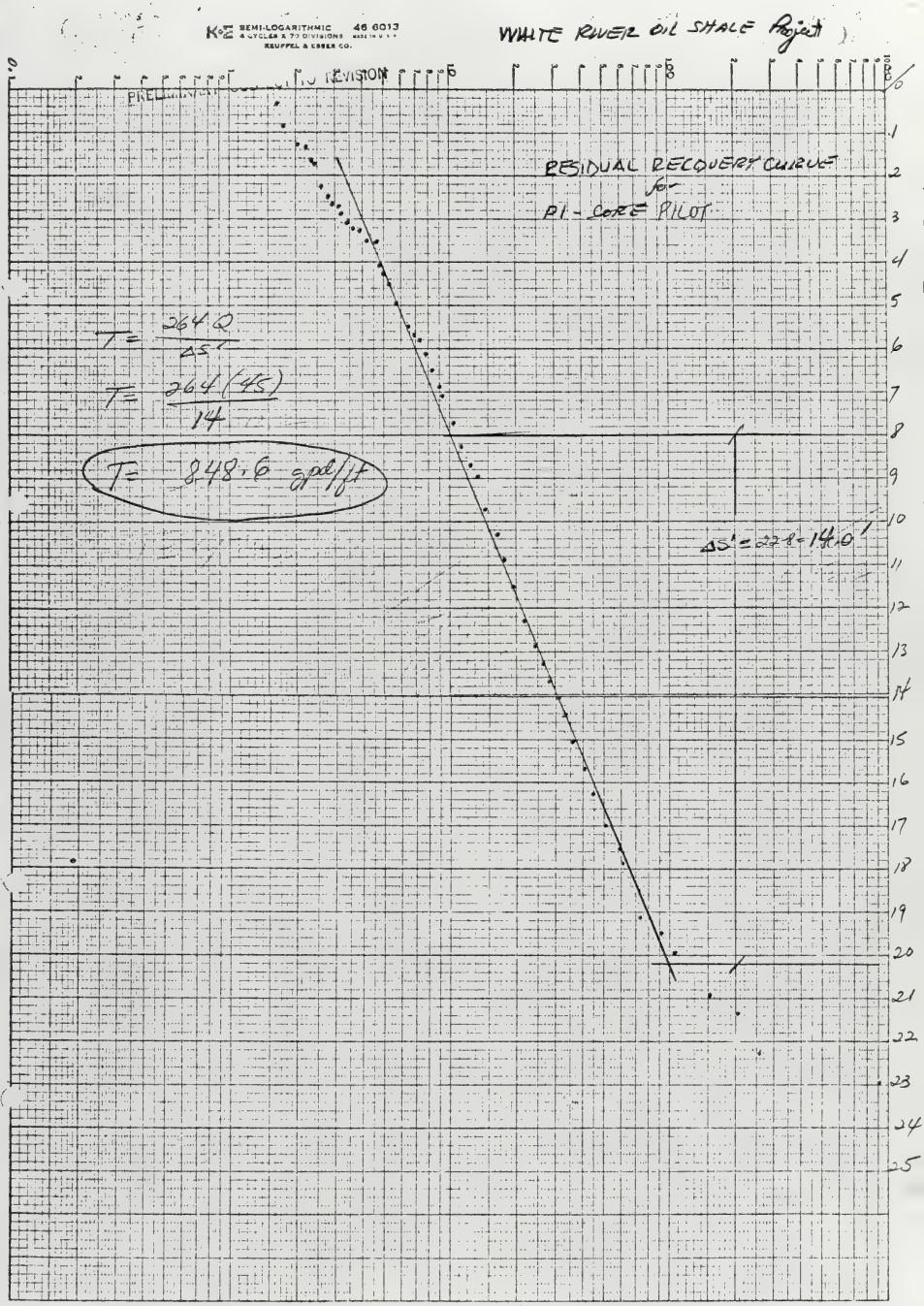
Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/17 1735	265	284.36	NOTE: For the recovery period record time after pump stopped.
1748	288	286.87	
1803	303	287.37	
1818	318	287.88	
1837	337	288.20	
1847	347	288.66	
1912	362	288.82	Pump stopped at 1900

PRELIMINARY - SUBJECT TO REVISION

K+E SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.

PRELIMINARY (SUBJECT TO REVISION)



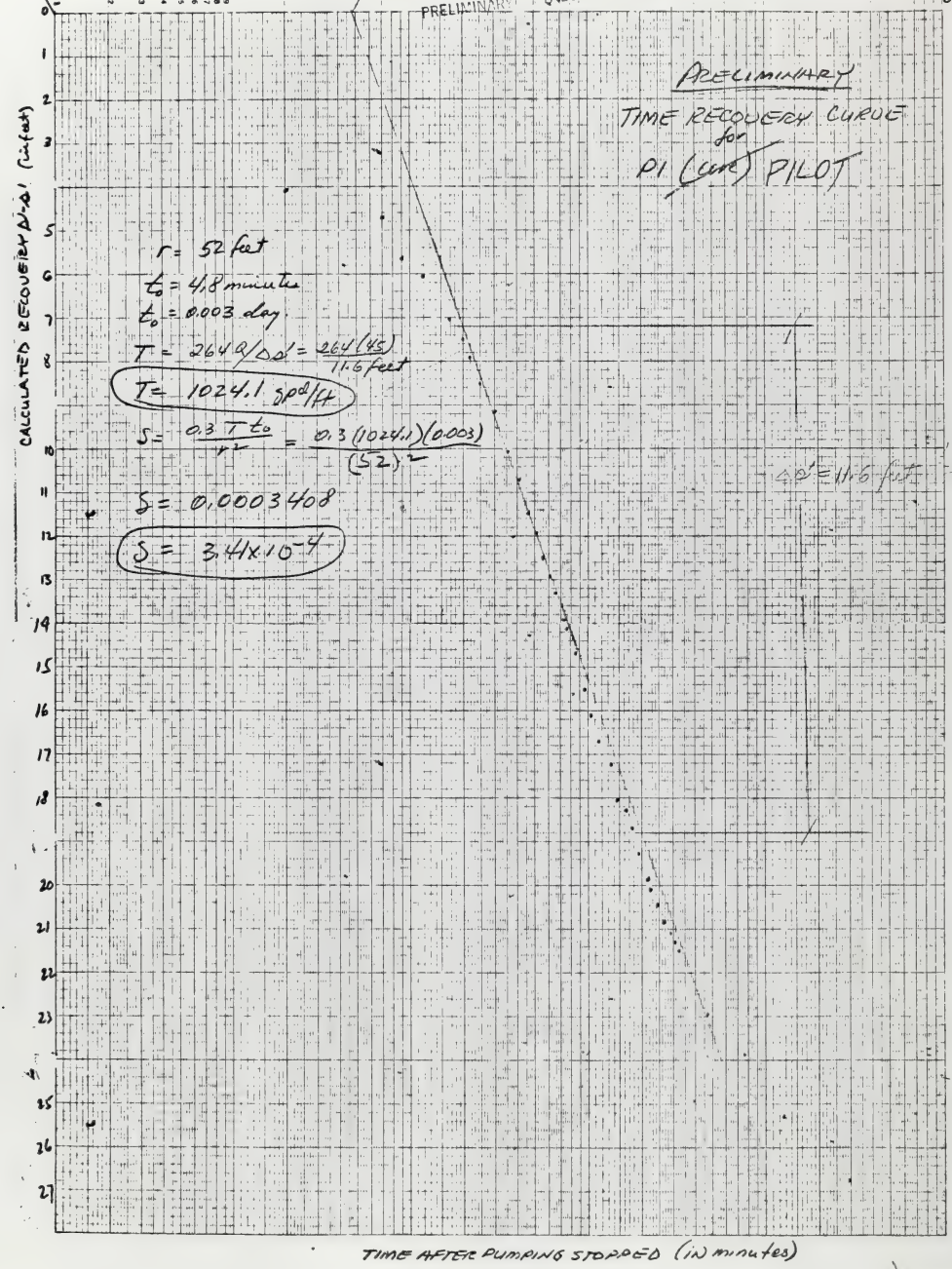

K+E SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO.
WHITE RIVER OIL SHALE Project
PRELIMINARY REVISION
RESIDUAL RECOVERY CURVE
for
P1 - CORE PILOT
T = 264 Q / Δs'
T = 264 (45) / 14
T = 848.6 gpd/ft
Δs' = 22.8 - 14.0'
Ratio - t/t'

White River Oil Shale Project

K·E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS KEUFFEL & ESSER CO. MADE IN U.S.A. 46 6210

$t_o = 4.8$ min

PRELIMINARY SUBJECT TO REVISION



$r = 52$ feet

$t_o = 4.8$ minutes

$t_o = 0.003$ day

$T = 264\,Q/\Delta d' = \frac{264(45)}{11.6 \text{ feet}}$

$T = 1024.1$ gpd/ft

$S = \frac{0.3\,T\,t_o}{r^2} = \frac{0.3(1024.1)(0.003)}{(52)^2}$

$S = 0.0003408$

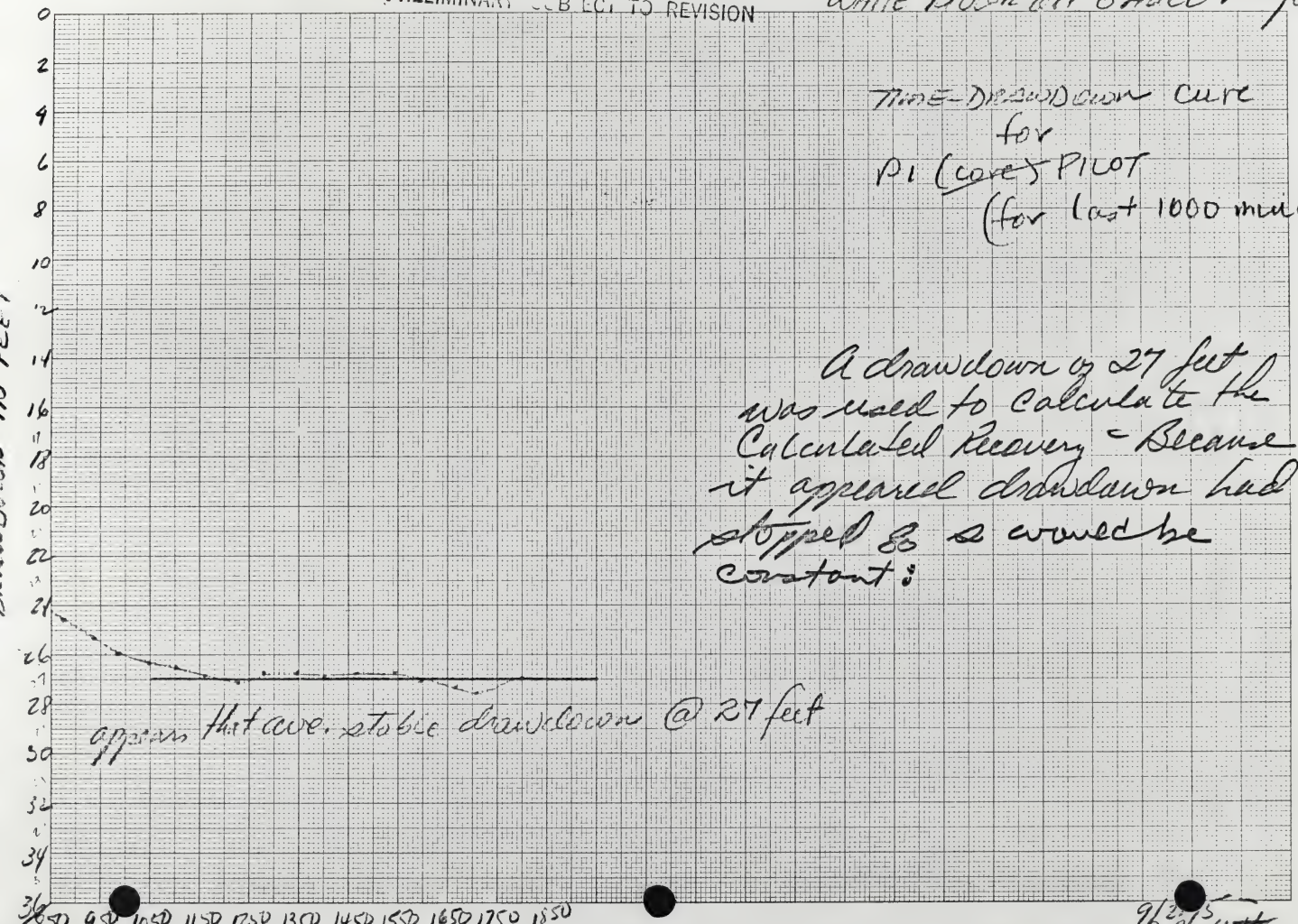
$S = 3.41 \times 10^{-4}$

31

K+E 10 X 10 TO THE CENTIMETER 46 1510
18 X 25 CM. MADE IN U.S.A.
KEUFFEL & ESSER CO.

PRELIMINARY SUBJECT TO REVISION

WHITE RIVER OIL SHALE Project



9/25/75

Recovery Data for:
P1 – CORE – PILOT

PRELIMINARY SUBJECT TO REVISION

t	t'	(276.34) s'	t/t'	(s – s')
~~1712~~ 1802	2	22.98	~~856.0~~	~~1050~~ 901
~~1717~~ 1807	7	22.24	~~245.3~~	258.1
~~1719~~ 1809	9	21.39	~~191.0~~	201
~~1722~~ 1812	12	20.98	~~143.5~~	151
~~1727~~ 1817	17	19.98	~~101.6~~	106.9
~~1730~~ 1820	20	19.57	~~86.5~~	91
~~1732~~ 1822	22	18.46	~~78.7~~	82.8
~~1735~~ 1825	25	17.86	~~69.4~~	73
~~1740~~ 1830	30	17.56	~~58.0~~	61
~~1744~~ 1831	31	16.94	~~56.2~~	59.1
~~1746~~ 1836	36	16.25	~~48.5~~	51
~~1751~~ 1841	41	15.66	~~42.7~~	44.9
~~1756~~ 1846	46	15.01	~~38.2~~	40.1
~~1761~~ 1851	51		~~34.5~~	36.3
~~1766~~ 1856	56	14.46	~~31.5~~	33.1
~~1771~~ 1861	61	14.05	~~29.0~~	30.5
~~1776~~ 1866	66	13.71	~~26.9~~	28.3
~~1781~~ 1871	71	13.26	~~25.1~~	26.4
~~1786~~ 1876	76	12.86	~~23.5~~	24.7
~~1796~~ 1886	86	12.31	~~20.1~~	21.9
~~1806~~ 1896	96	11.47	~~18.8~~	19.75
~~1816~~ 1906	106	10.87	~~17.1~~	17.98
~~1826~~ 1916	116	10.3	~~15.7~~	16.5
~~1841~~ 1931	131	9.78	~~14.1~~	14.7
~~1856~~ 1946	146	8.99	~~12.7~~	13.3
~~1871~~ 1961	161	8.66	~~11.6~~	12.2
~~1886~~ 1976	176	8.26	~~10.7~~	11.2
~~1901~~ 1991	191	7.7	~~10.0~~	10.4
~~1924~~ 2014	214	7.16	~~9.0~~	9.4
~~1936~~ 2036	226	6.88	~~8.6~~	9.0
~~1958~~ 2048	248	6.55	~~7.9~~	8.3
~~1975~~ 2065	265	6.16	~~7.5~~	7.8

(276.34)

t	t'	s'	t/t'	D-D'
2090	290	5.88	7.2	21.12
2106	306	5.67	6.9	[illegible]
2128	329	5.44	6.5	[illegible]
2180	380	4.96	5.7	22.61
2217	417	4.54	5.3	[illegible]
2246	446	4.23	5.0	22.77
2276	476	4.09	4.8	23.11
2306	506	3.51	4.6	[illegible]
2366	566	3.48	4.2	[illegible]
2431	631	3.21	3.9	23.79
2491	691	3.23	3.6	23.71
2551	751	3.08	3.4	[illegible]
2611	811	2.83	3.2	24.17
2671	871	2.67	3.1	[illegible]
2731	931	2.62	2.9	[illegible]
2791	991	2.47	2.8	[illegible]
2911	1111	2.25	2.6	24.45
3025	1225	1.74	2.47	25.26
3145	1345	1.66	2.34	[illegible]
3269	1469	1.36	2.23	[illegible]
3565	1765	1.26	2.02	25.74
4162	2352	.86	1.77	26.11
4493	2693	.21	1.67	26.17

PRELIMINARY - SUBJECT TO REVISION

SWL = 276.34

P.1 Obs 1

	s (ft)
w10	5.46
w14	6.82
19.	7.49
21	8.06
23	8.36
25	8.98
27	9.37
30	9.98
32	10.33
34	10.66
36	10.83
38	11.16
40	11.54
42	11.86
54	13.02
[illegible]	14.08
74	14.77
84	15.61
95	15.81
105	15.89
115	17.57
125	17.83
135	18.26
145	18.67
155	19.16
165	19.55
175	19.84
185	20.17
195	20.36
205	20.73
225	20.99
245	21.38
[illegible]65	21.67
285	21.94
307	22.15
327	22.35
387	23.07

Obs 1 (P-1)

	s (ft.)
~~447~~	~~[illegible]~~
~~507~~ 447	23.25
~~572~~ 507	23.48
~~627~~ 572	23.54
~~687~~ 627	23.87
~~747~~ 687	24.09
~~818~~ 747	24.1
~~872~~ 818	24.41
~~931~~ 872	24.51
931	25.38
988	25.89
1049	26.27
1102	26.58
1164	26.87
1227	27.05
1283	26.73
1349	26.73
1401	26.83
1461	26.75
1543	26.68
1593	27.16
1655	27.27
1710	27.48

Recovery

			t/t' ± (difference)
1802	2	22.98 (3')	[illegible]
1807	7	22.24	[illegible]
1801	9	21.39	14.1
1812	12	20.98	14.3
1817	17	19.98	16.5
1820	20	19.48	3.6
1822	22	19.07	7.8
1825	25	18.46	6.9.2
1831	30	17.86	5.8
1836	31	17.56	5[illegible].2
1836	36	16.94	[illegible]
1841	41	16.25	42.8
1846	46	15.66	38.1
1851	51	15.01	34.5

Obs 1 (P-1) recovery

	t	s(ft.)
1856	56	14.46
1861	61	14.05
1866	66	13.71
1871	71	13.26
	76	12.86
	86	12.31
	96	11.47
	106	10.87
	116	10.3
	131	9.78
	146	8.99
	161	8.66
	176	8.26
	191	7.7
	214	7.16
	226	6.88
	248	6.55
	265	6.16
	290	5.88
	306	5.67
	329	5.44
	380	4.96
	417	4.54
	446	4.23
	476	4.09
	506	3.51
	566	3.48
	631	3.25

P-1 Obs 1 Pump test

t (min)	s (ft) Recovery
751	3.08
811	2.83
871	2.67
931	2.62
991	2.47
1111	2.25
1225	1.74
1345	1.66
1469	1.36
1765	1.26
2352	.86
2693	.21

1 min interval - 5 min
2 min interval - 20 min
10 min interval - 60 min
30 min interval - remaining test

PIEZOMETER NO. P-1 observation 1 (PILOT ~~CORE~~ HOLE)

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 115 gpm gallons per minute.

Static Water Level Before Pumping Began: 276.34 feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 15:35 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
09:45.5	[illegible]	[illegible]	[illegible]
09:49.5	~14	282.16	[illegible]
09:54.5	[illegible]	[illegible]	
09:56.5	[illegible]	[illegible]	
09:58.5	[illegible]	[illegible]	
10:00.5	[illegible]	[illegible]	
10:02.5	[illegible]	[illegible]	
10:05.5	[illegible]	[illegible]	
10:07.5	[illegible]	[illegible]	
10:09.5	[illegible]	[illegible]	
10:11.5	[illegible]	[illegible]	
10:13.5	[illegible]	[illegible]	
10:15.5	[illegible]	[illegible]	
10:17.5	[illegible]	[illegible]	
10:29.5	[illegible]	[illegible]	
10:39.5	[illegible]	[illegible]	
10:49.5	[illegible]	[illegible]	
10:59.5	84	291.0[illegible]	
11:10.5	95	292.15	
11:20.5	105	[illegible]	
11:30.5	115	293.91	
11:40.5	125	294.17	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P-1 ~~Observation~~ PILOT

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Siems/Prollitt Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: 276.34 feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
11:50.5	135 / 2:15	294.60	
12:00.5	145 / 2:25	295.01	
12:10.5	155 / 2:35	295.52	
12:20.5	165 / 2:45	295.89	
12:30.5	175 / 2:55	296.18	
12:40.5	185 / 3:05	296.51	
12:50.5	195 / 3:15	296.70	
13:00.5	205 / 3.25	297.07	
13:20.5	225 / 3.45	297.33	
13:40.5	245 / 4:05	297.72	
14.00.5	265 / 4:25	298.01	
14:20.5	285 / 4:45	298.28	
14:42.5	307 / 5.07	298.49	
15:02.5	327 / 5.27	298.69	
16:02.5	387 / 6.27	299.41	
17:02.5	447 / 7.27	299.59	
18:02.5	507 / 8.27	299.82	
19:07	572 / 9:32	299.88	
20:02	607 / 10:27	300.01	
21:03	627 / 11:27	300.43	
22:02	147 / 12:07	[illegible].44	
23:13	818 / 1:38	[illegible]	[illegible]

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P1 - OBSERVATION I
DEEP AQUIFER PUMP TEST PILOT

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 115 gpm gallons per minute.

Static Water Level Before Pumping Began: 276.34' feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
[illegible]	[illegible]	[illegible]	[illegible]
0406	[illegible]	[illegible]	[illegible]
0423	[illegible]	[illegible]	[illegible]
0304	[illegible]	302.61	[illegible]
0407	[illegible]	302.92	[illegible]
0459	[illegible]	303.31	[illegible]
0602	[illegible]	303.39	[illegible]
0758	[illegible]	303.07	[illegible]
0804	[illegible]	303.07	[illegible]
0856	[illegible]	303.17	[illegible]
0956	[illegible]	303.09	[illegible]
11:18.5 [illegible]	[illegible]	303.22	[illegible]
12:08	[illegible]	303.50	[illegible]
13:10	[illegible]	303.61	[illegible]
14.05	[illegible]	303.82	[illegible]
1535	[illegible]	[illegible]	Pump off at 1535
1537	Time Since Pump Started	[illegible]	Pump stopped: 1535
1802	[illegible]	[illegible]	
1807	[illegible]	[illegible]	
1810	[illegible]	[illegible]	
1812	[illegible]	[illegible]	
1817	[illegible]	[illegible]	
1820	[illegible]	[illegible]	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P-1 Observation/ PILOT
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: GAS / JP Datum: Top of Riser Casing.

Discharge of Pump: 459 gpm gallons per minute.

Static Water Level
Before Pumping Began: 276.34' feet below top of casing.

Exact Time Pump Started: 09:35.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since ~~Pump~~ Pumping Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1732 15 57	22	295.44	
173[illegible] 1620	25	[illegible]	
1740 05	30	[illegible]	
1741 06	31	[illegible]	
1746 11	36	[illegible]	
1751 [illegible]	41	[illegible]	
1756 21	46	[illegible]	
1761 26	51	[illegible]	
1766 31	56	[illegible]	
1771 36	61	[illegible]	
1776 41	66 / [illegible]	[illegible]	
1781 46	71 / [illegible]	[illegible]	
1786 51	76 / [illegible]	[illegible]	
1796 12 2	86 / [illegible]	[illegible]	
1806 12 12	96 / [illegible]	[illegible]	
1816 12 22	106 / [illegible]	[illegible]	
1826 12 31	116 / [illegible]	[illegible]	
1841 12 46	131 / [illegible]	[illegible]	
1851 12 56	141 / [illegible]	[illegible]	
1871 13 16	161 / [illegible]	[illegible]	
1886 13 31	176 / [illegible]	[illegible]	
1901 13 46	191 / [illegible]	[illegible]	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P-1 Observation 1
DEEP AQUIFER PUMP TEST PILOT

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: RJS/TP Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level
Before Pumping Began: 276.34' feet below top of casing.

Exact Time Pump Started: 0935.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
2104	[illegible]	281.78	
2155	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
9/1 [illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
0306	[illegible]	279.57	
0406	[illegible]	279.42	
0506	[illegible]	279.17	
0606	[illegible]	279.01	
0706	[illegible]	278.96	
0806	[illegible]	278.81	
1006	[illegible]	278.59	
[illegible]	[illegible]	[illegible]	278.[illegible] 279.5

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P-1 Observation 1 PILOT
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: BAS/JSP Datum: Top of Riser Casing.
Discharge of Pump: 45 GPM gallons per minute.
Static Water Level
Before Pumping Began: 276.34' feet below top of casing.
Exact Time Pump Started: 0935.5 (Hours) on 8/30/75 (Date).
Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since ~~Pump~~ Recovery Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1100	1245 / [illegible]	278.00	
1604	1469 / 2429	277.70	
2150	1765 / 2925	277.60	
9/2 0647	2252 / 3912	277.20	
1228	2693 / [illegible]	276.55	
			276.6 / 278.0

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 1 of ___.

Date: 8/17

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

WELL NO. P-1 PILOT

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT/DM Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: 276.88 feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/17 1300	0	276.67	NOTE: For the recovery period record time after pump stopped.
	4	278.25	
	7	278.19	8 gpm for 1st 15 min
	12	278.18	↓
	16	278.45	15 gpm after 1315
	20	278.88	(measured at ~11gpm by bucket
	24	279.60	
	41	280.41	
	44	280.57	
	52	280.93	
	64	281.28	
	74	281.56	
	87	281.73	
	102	282.51	
1500	120 (2 hours)	282.87	
	139	285.57	Change to 30 gpm
	150	286.30	
	163	286.90	
	176	287.60	
	186	288.11	
1619	198	288.60	
1633	213	288.97	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page ___ of ___.

Date: 8/17/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING
PUMP SIZING

WELL NO. P-1 PILOT

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM Datum: Top of Riser Casing.

Discharge of Pump: 30 → 50 gallons per minute.

Static Water Level Before Pumping Began: 276.88 feet below top of casing.

Exact Time Pump Started: 1300 (Hours) on 8/17/75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

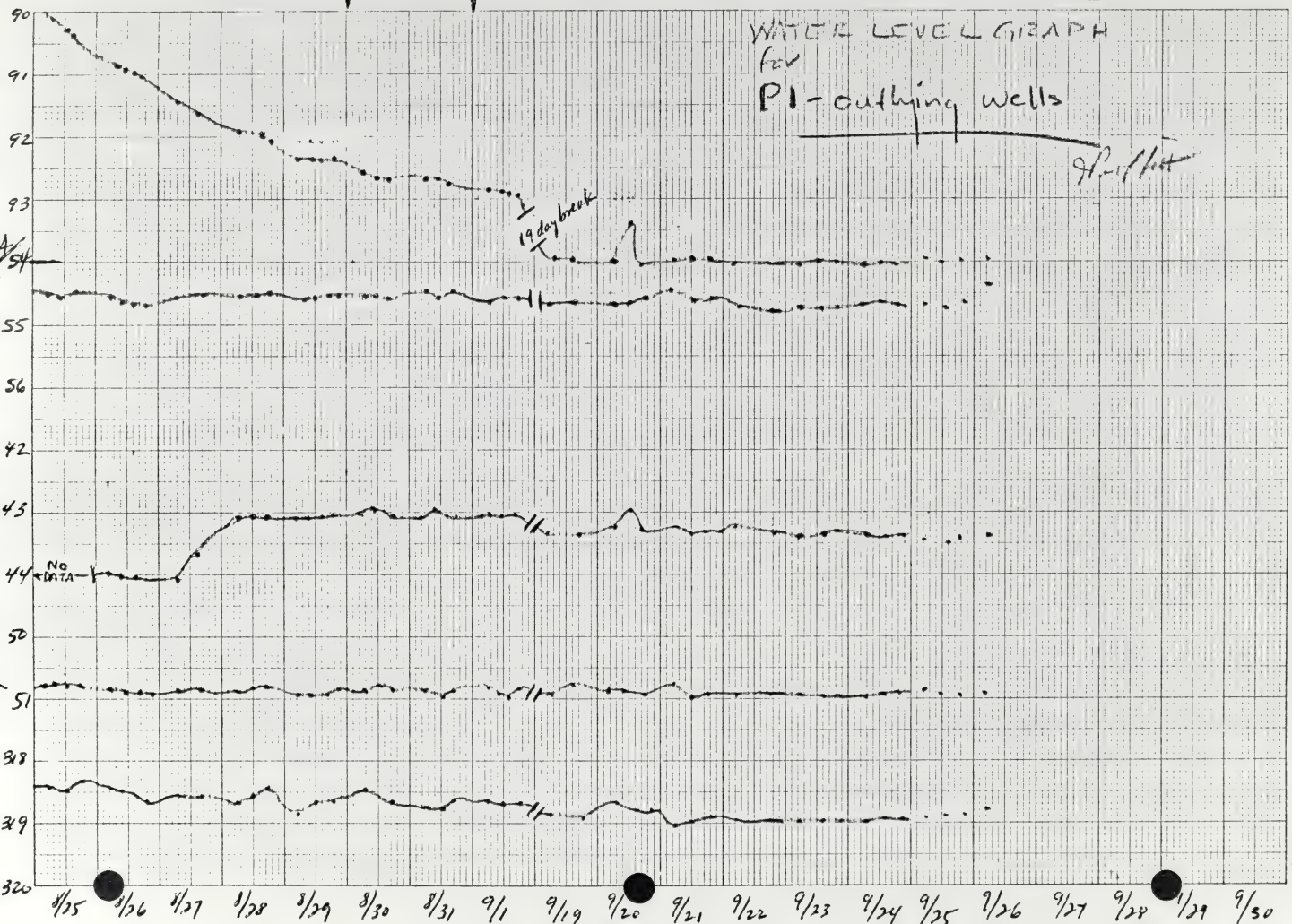
Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1653	233	289.80	NOTE: For the recovery period record time after pump stopped.
1708	248	291.37	
1723	263	293.63	Changed to 50 → 52 gpm at 1700.
1746	286	295.60	
1800	300 (5 hrs)	296.46	
1816	316	297.13	
1830	330	297.80	
1844	344	298.35	
1900	360	298.95	Pumped Stopped

PRELIMINARY - SUBJECT TO REVISION

46

PRELIMINARY SUBJECT TO REVISION
K+E 10 X 10 TO ½ INCH 7 X 10 INCHES KEUFFEL & ESSER CO. MADE IN U.S.A.
46 1323

WHITERIVER OIL SHALE Project



JOB. No. 1517-11

Page 1 of 3.

Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

WELL NO. G-17

DEEP AQUIFER PUMP TEST

Pg. 1

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: 0935.5 (Hours) on 8/30/95 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/95 (Date).

P-1

	Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/14	1930	—	72.73	NOTE: For the recovery period record time after pump stopped.
8/15	1300		75.67	
8/15	1730	—	76.27	
8/16	1210	—	78.33	
8/17	831	—	80.36	
8/17	1736	—	80.71	
[illegible]	1712	252	81.36	
[illegible]	1230	—	[illegible]	
[illegible]	1720	—	[illegible]	
[illegible]	1350	—	[illegible]	
[illegible]			86.25	
8/21	920	—	[illegible]	
[illegible]		—	[illegible]	
[illegible]	1441		87.2	
[illegible]	0850		87.83	
[illegible]	1113	—	87.92	
8/22	1418	—	88.09	
8/22	1600	—	88.11	
[illegible]	0819		88.55	
[illegible]	1056	—	88.68	
[illegible]	1511	—	88.85	
8/23	1725	—	88.87	

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. 6-17

DEEP AQUIFER PUMP TEST

P. 2

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: DM / JP / RAS Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: 0930.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/24 8 30		89.24'	
8/24 15 17		89.59'	
8/24 16 29		89.70'	
8/25 0900		90.[illegible]	
8/25 1245		90.26'	x (plot)
8/25 1542		90.31'	
8/26 0900		90.89'	
" 1020	—	90.92'	
" 1325	—	90.99'	
" 1738	—	91.07	
8/27 1010		91.[illegible]	
" 1720	—	91.62	
8/28 0915	—	91.91	
" 1537		92.00	
" 1940		92.08	
8/29 1120		92.22	
" 1330		92.36	
" 1535		92.35	
" 1630	—	92.32	
8/30 1408	4 hrs 37 min 277	92.55	P-1 Pumping
" 17.50	8 hrs. 25 min. 505	92.58	
[illegible]	14 / 840	92.64	
8/31 0550	20:15 / 1215	92.67	

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. G-17

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: BAS/JP Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: 0900.5 (Hours) on 8/31/75 (Date).

Exact Time Pump Stopped: 1530 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/31 - 1014	[illegible]	92.64	
8/31 - 1457	[illegible]	92.74	
9/1 - 0415	[illegible]	92.81	P-1 Recovery
" - 0755	[illegible] 980	92.89	
" - 1130	[illegible] 1195	92.91	
" - 1500	[illegible] 1440	92.94	
9/19 - 1110		93.97	
- 1830		93.98	
9/20 - 0200		94.00	
- 1020		93.33	
- 1800		94.04	
9/21 - 0900		93.98	
- 1220		94.02	
- 1700		94.07	
9/22 - 0740		94.08	
- 2140		94.09	
9/23 - 0846		94.02	
- 1459		94.00	
9/24 - 1020		94.04	
- 1403		94.00	
- 1931		94.06	
9/25 - 0730		93.98	

PRELIMINARY SUBJECT TO REVISION

JOB. No. 1517-11
Page 4 of ___.
Date: ___.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☐.

WELL NO. G17
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: TP/RAS Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours (Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
9/25 - 1105		94.21 ✓	NOTE: For the recovery period record time after pump stopped.
- 1338		93.98 ✓	
9/26 - 0720		93.99 ✓	

PRELIMINARY SUBJECT TO REVISION

JOB. No. 1512-11

Page 1 of 3.

Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☐.

WELL NO. G-8
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT/DM/JP Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: 0925.5 (Hours) on 8/20/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/21/75 (Date).

P-1

DATE	Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/14	1915	—	52.90	NOTE: For the recovery period record time after pump stopped.
8/15	1230	—	54.49	
8/15	1721	—	54.43	→ Rainstorm ≅ .2" Total
8/16	1255	—	54.53	
8/17	930	—	54.5	
8/17	1223	—	54.5	
8/17	1700	240	54.49	
8/18	1156	—	54.52	
8/18	1717	—	54.53	
8/19	1[illegible]	—	54.54	
8/20	1350	—	54.57	
8/21	0918	—	54.62	
8/21	1[illegible]	—	54.54	
8/21	[illegible]49	—	54.47	
[illegible]	0900	—	54.52	
8/22	1123	—	54.53	
8/22	1430	—	54.52	
8/22	1545	—	54.51	
[illegible]	0[illegible]33	—	54.51	
8/23	1108	—	54.50	
8/23	1505	—	54.47	
8/24	0855	—	54.44	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. G8

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP /BAS Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: 0935.5 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
[illegible]		[illegible]	
[illegible]		54.50	
8/25 0918		54.51	Not ↓
8/25 1300		54.50	
8/25 1652		54.48	
8/26 910		54.54	
" 1032		54.61	
" 1251		54.63	
" 1700		54.69	
8/27 1041		54.56	
" 1709		54.51	
8/28 0924		54.45	
" 1545		54.51	
" 1920		54.49	
8/29 0950		54.6	
" 1140		54.59	
" 1345		54.55	
" 1450		54.56	
8/30 1512	5:32/ 337	54.52	P-1 Pumping
" 1738	8 hrs and 13 min	54.51	
2320	13:45/ 825	[illegible]	
8/31-0615	20:40/ 1240	54.59	

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. G-8

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: BAS/JR Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: 0825 (Hours) on 8/30/75 (Date).

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
10:05 - 8/31	[illegible] 1440	54.56 ✓	
14:50 - 8/31	[illegible] 1365	54.43 ✓	
0412 - 9/1	[illegible] 257	54.62 ✓	P-1 Recovery
0824 - 9/1	[illegible] 1011	54.61 ✓	
1141 - 9/1	[illegible] 1206	54.57 ✓	
1449 - 9/1	[illegible] 1294	54.56 ✓	
9/19 - 1017		54.64 ✓	Pre-Pumping levels - 2nd. pump test.
- 1815		54.60 ✓	
9/20 - 1025		54.64 ✓	
- 1415		54.61 ✓	
- 1742		54.58 ✓	
9/21 - 0848		53.48 ✓	perhaps 54.48?
- 1230		54.69 ✓	
- 1712		54.60 ✓	
9/22 - 0830		54.72 ✓	
- 2104		54.69 ✓	
9/23 - 0826		54.71 ✓	
- 1450		54.78 ✓	
9/24 - 1105		54.67 ✓	
- 1418		54.62 ✓	
- 1943		54.70 ✓	
9/25 - 1740		54.69 ✓	

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. G8

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours	Time Since Pump Started, in minutes.		
9/25 - 1122		54.72	
- 1347		54.68	
9/26 - 0736		54.35	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. G-8A

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Rossitt / BAS Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on 8/[illegible] (Date).

Exact Time Pump Stopped: [illegible] (Hours) on 8/[illegible] (Date).

P-1

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
0910 - 8/26		43.99	Plot
0:09		44.01	
1259		44.03	
1040 - [illegible]		[illegible]	
17:01 "		43.[illegible]	
0920 [illegible]		43.05	
1550 "		43.06	
1915 "		43.04	
0940 [illegible]		[illegible]	
0113[illegible]		43.[illegible]	
1340		[illegible]	
1452		[illegible]	
8/30 1510	5:35 / [illegible]	43.00	P-1 Pumping
" 1739	8 hrs and 14 min 294	42.96	
" 2325	12:50 / [illegible]	42.[illegible]	
8/31 0618	20:43 / [illegible]	42.02	
" 10:07	24:[illegible] / 1470	42.02	
" 1452	29:17 / [illegible]	42.96	
9/1 0914	[illegible] / [illegible]	43.04	P-1 Recovery
9/1 0830	[illegible] / [illegible]	43.02	
" 1139	20:04 / [illegible]	43.01	
" 1447	23:12 / [illegible]	43.00	

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. G8A

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JDB BAS Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
9/19 - 1049		43.25 ✓	Pre-Pumping levels, 2nd. pump Test
1805		43.33 ✓	
9/20 - 1020		43.27 ✓	
- 1415		43.28 ✓	
- 1740		43.29 ✓	
9/21 - 0840		43.27 ✓	
- 1225		43.34 ✓	
- 1714		43.30 ✓	
9/22 - 0833		43.23 ✓	
- 2107		43.36 ✓	
9/23 - 0540		43.40 ✓	
- 1452		43.38 ✓	
9/24 - 1110		43.33 ✓	
- 1423		43.38 ✓	
- 1946		43.36 ✓	
9/25 - 0743		43.44 ✓	
- 1125		43.50	
- 1350		43.42	
9/26 - 0740		43.35	

PRELIMINARY SUBJECT TO REVISION

OB. No. 1517-11

Page 1 of 3.

Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

WELL NO. X-2

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: 0935.5 (Hours) on 8/30/75 (Date)

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date)

P-1

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/15 1220	—	50.65'	NOTE: For the recovery period record time after pump stopped.
8/15 1700	—	50.51'	
8/[illegible] 1225	—	50.67'	
8/17 838	—	50.67'	
8/17 1207		50.65'	
8/17 1643	225	50.[illegible]	
8/17 [illegible]	—	50.65	
8/18 1700	—	50.54	
[illegible]	—	[illegible]	
8/20 1325	—	50.79'	
8/21 0932	—	50.77'	
[illegible]		50.77'	
8/21 1510	—	51.62'	
[illegible] 0915	—	50.77'	
8/22 1137	—	50.80'	
8/22 1529	—	50.80'	
8/23 0902	—	50.75'	
8/23 1124		50.70'	
[illegible] 1533	—	50.74'	
8/23 1737	—	50.72	
8/24 840	—	50.76	
8/24 1502	—	50.79	

PRELIMINARY SUBJECT TO REVISION

JOB. No. 1517-11
Page 2 of 3.
Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. V-2
DEEP AQUIFER PUMP TEST

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☐.

PG 2

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: DM/JP/BAS Datum: Top of Riser Casing.

Discharge of Pump: / gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/24 1702		✓ 50.77'	NOTE: For the recovery period record time after pump stopped.
8/25 [illegible]		✓ [illegible]	
8/25 1315		✓ 50.72'	
8/25 1600		✓ [illegible]	
8/26 0940		50.81'	
" 1050	—	50.85'	
" 1224	—	50.87'	
" 17:15	—	50.92	
8/27 1125		50.85	
" 1642		50.85	
8/28 0940	—	50.83	
" 16:00	—	50.82	
" 1859		50.80	
8/29 1020	—	[illegible]	
" 1050	—	[illegible]	
" 1415	—	50.91	
" 1615		[illegible]	
8/30 1350	[illegible] 14 hrs 20 min	50.89	P-1 Pumping
" 1728	[illegible] 8 hr. and 3 min.	50.80	
" 2225	12:57 / 270	[illegible]	
8/31 0444	18:09 / [illegible]	50.88	
" 0834	22:59 / 1379	50.96	

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. X-2

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Bas/JP Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: [illegible] on 8/30/[illegible].
(Hours) (Date)

Exact Time Pump Stopped: [illegible] on 8/31/[illegible].
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/30 1438	[illegible]	50.82	
" 0424	[illegible]	51.80	P-1 Recovery
9/1 0851	17:16 / [illegible]	51.91	
" 1235	[illegible]	51.95	
" 1431	[illegible]	50.85	
9/19 - 1040		50.92	Pre-Pumping Levels 2nd pump test
- 1725		50.79	
9/20 - 0955		50.89	
- 1405		50.86	
- 1725		50.91	
9/21 - 0815		50.74	
- 1258		51.00	
- 1720		50.98	
9/22 - 0800		50.92	
- 2050		50.86	
9/23 - 0820		50.92	
- 1440		50.91	
9/24 - 1040		50.91	
- 1507		50.93	
- 2010		50.90	
9/25 - 0900		50.99	
- 1159		50.92	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. X-2

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP & BKS Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours	Time Since Pump Started, in minutes.		
9/25 - 1426		50.93 ✓	
9/26 - 0819		50.91 ✓	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 1 of 2.

[illegible]te: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☐.

WELL NO. 6-10

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM / JP Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: 0935.5 (Hours) on 8/30/75 (Date)

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date)

P-1

Date	Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/14	1815	—	317.8'	NOTE: For the recovery period record time after pump stopped.
8/15	1640	—	317.83'	
8/16	1235	—	317.9	X-3 is a "dry hole" except for some tar at the [illegible] Measured 8/15 @ 1245.
[illegible]	915	—	317.95	
8/17	11[illegible]	—	317.95	
8/17	10[illegible]	[illegible]	317.87	
[illegible]	110[illegible]	—	317.[illegible]	
[illegible]	1[illegible]2.	—	317.[illegible]	
[illegible]	[illegible]	—	[illegible]	
[illegible]	13[illegible]	—	318.15	
8/21	09[illegible]		[illegible]	
[illegible]	14[illegible]		318.10'	
[illegible]	[illegible]93	—	318.30'	
8/22	11[illegible]	—	318.21'	
[illegible]/22	1359	—	318.20'	
8/22	16[illegible]	—	318.25'	
[illegible]/23	0916	—	318.32'	
8/22	1250	—	318.20	
[illegible]	1550	—	318.05'	
8/23	1758	—	318.12'	
8/24	1535	—	318.20'	
8/24	1720	—	318.25'	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. 6-10

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: DM/JP/BAS Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on 8/30/75 (Date). P-1

Exact Time Pump Stopped: 1535 (Hours) on 8/31/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/25 0950	—	318.41	
8/25 1325	—	318.43'	plot
8/25 1620	—	318.52	
8/26 1000		318.48'	
" 11:05	—	318.50'	
" 12:13	—	318.51	
" 17:00	—	318.64	
8/27 [illegible]	—	318.[illegible]	
" 1632		318.54	
8/28 0953	—	318.61	
" 1612	—	318.51	
" 1848		318.47	
8/29 1035	—	318.81	
" 1400	—	[illegible]	
" 1425		[illegible]	
8/30 17:16	Thr and 51 min/471	318.44	P-1 Pumping
" 22:43	13hrs 8 min/[illegible]	318.62	
8/31 - 0430	19:55 / [illegible]	318.71	
" - 0820	22:45 / [illegible]	318.79	
" - 1430	23:55 / [illegible]	318.61	
9/1 - 0440	13:[illegible] / [illegible]	318.64	P-1 Recovery
9/1 - 0907	17:[illegible] / 1052	318.72	
9/1 - 1220	22:45 / 1245	318.66	

PRELIMINARY - SUBJECT TO REVISION

63

PIEZOMETER NO. G10

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JP3 BAS Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

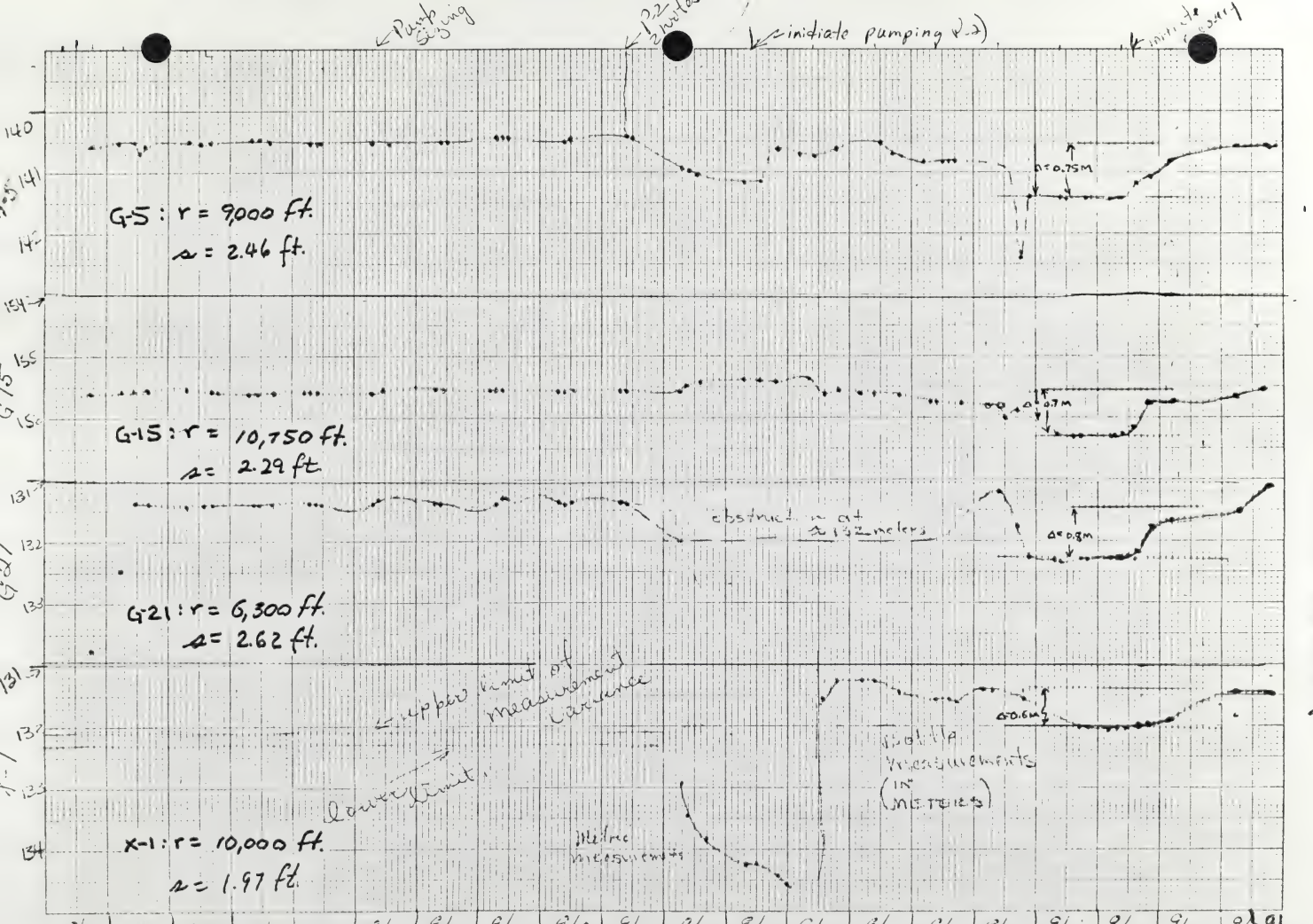
Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
9/19 - 1015		318.86 ✓	
" 1715		318.92 ✓	
9/20 - 1010		318.68 ✓	
- 1250		318.78 ✓	
- 1700		318.78 ✓	
9/21 - 0800		319.06 ✓	
- 1240		318.99 ✓	
- 1738		318.92 -	
9/22 - 0810		318.91 ✓	
- 2040		318.91 -	
9/23 - 0805		318.96 ✓	
- 1430		318.91 ✓	
9/24 - 1030		318.92 -	
- 1519		318.94 -	
- 2030		318.92 -	
9/25 - 0752		318.81 -	
- 1146		318.84 -	
- 1418		318.82 -	
9/26 - 0802		318.76 -	

PRELIMINARY - SUBJECT TO REVISION



K+E 10 X 10 TO ½ INCH 7 X 10 INCHES KEUFFEL & ESSER CO. MADE IN U.S.A. 46 1323

PIEZOMETER NO. G-5

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Proffitt Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/31 / 1720		140.59	measurements are in Meters
9/1 / 0525		140.54	
9/1 / 0928		140.51	(~~add 24 inches to all measurements~~)
" / 1035		140.69	
" / 1324		140.57	
9/2 / 0715		140.50	
9/2 / 1220		140.56	
9/2 / 1550		140.53	
9/3 / 0912		140.47	
9/3 / 1151		140.48	
9/3 / 1510		140.51	
9/4 / 0659		140.55	
9/4 / 0921		140.54	
9/4 / 0905		140.53	
9/4 /	MISSED IT		
9/5 / 0730		140.52	
9/5 / 1310	-	140.54	
9/6 / 0909		140.50	
9/6 / 1141		140.51	
9/7 / 0718		140.44	
9/7 / 0926		140.42	
9/7 / 0947		140.41	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. G5

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
9/8 - 0820		140.51	
9/8 - 1136		140.48	
9/8 - 1144		140.48	
9/9 - 0820		140.42	
9/9 - 1059		140.24	
9/10 - 0710		140.92	
9/10 - 0927		140.99	
9/10 - 1347		141.04	
9/11 - 0820		141.19	
9/11 - 1320		141.15	since yesterday (?)
9/11 - 2047		140.14	
9/12 - 0429		140.70	
9/12 - 1108		140.74	
9/12 - 2000		140.64	
9/13 - 1209		140.51	
9/13 - 1545		140.70	
9/13 - 1808		140.71	
9/14 - 1222		140.51	
9/14 - 1420		140.50	
9/14 - 1805		140.81	
9/14 - 1845		140.82	
9/15 - 1840		142.40	THE WELL IS MAKING VERY LOUD BUBBLING NOISES. THE FIRST TIME I HAVE

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. G5

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
9/15 1925		141.38	
" 1126		141.44	
" 1249		141.42	
" 1558		141.42	
" 1975		141.15	
9/17 0432		141.12	
" 0642		141.43	
" 1520		141.14	
" 1930		141.08	
9/18- 1230		140.78	
9/19- 0945		140.54	
9/23- 1103		140.59	

PRELIMINARY: SUBJECT TO REVISION

PIEZOMETER NO. G-15

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Pettitt Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, (M) in feet, below top of casing.	Notes
8/31 / 17:50		155.64	MEASUREMENTS ARE IN METERS
9/1 / 0520		155.59	
" / 11:20		155.54	(add 2½ inches to all measurements)
" / 1400		155.55	
9/2 / 0640		155.59	
9/2 / 1400		155.57	
9/2 / 1520		155.57	
9/3 / 0936		155.62	
9/3 / 1122		155.62	
9/3 / 1540		155.59	
9/4 / 0722		155.58	
9/4 / [illegible]		155.59	
9/4 / 1120		155.60	
9/4 /	MISSED IT		
9/5 / 0755		155.59	
9/5 / 1335		155.54	
9/6 / 0939		155.53	
9/6 / 1120		155.54	
9/7 / 0749		155.50	
9/7 / 0851		155.52	
9/7 / 1015		155.52	
9/8 / 0907		155.56	

PIEZOMETER NO. G15

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours	Time Since Pump Started, in minutes.		
9/8 - 1105		155.57	
9/8 - 1233		155.55	
9/9 - 0852		155.58	
9/9 - 1021		155.55	
9/10 - 0740		155.51	
9/10 - 0851		155.49	
9/10 - 1422		155.44	
9/11 - 0800		155.39	
9/11 - 1200		155.40	
9/11 - 2125		155.41	
9/12 - 0940		155.39	
9/12 - 1350		155.61	
9/12 - 1735		155.59	
9/13 - 0500		155.61	
9/13 - 0900		155.61	
9/13 - 1840		155.61	
9/14 1146		155.73	
9/14 1120		155.73	
9/14 2020		155.77	
9/15 0415		155.82	
9/15 0732		155.83	
9/15 1825		155.93	

@ 1825 = 155.93
− 155.50
= 0.43m
= 1.4 ft.

PIEZOMETER NO. G15

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
9/15 - 1005		132.29	? possibly 156.29 m.
9/16 - 1250		156.32	
" - 1500		156.30	
" - 1612		156.30	
9/17 - 0457		156.29	
" - 0726		156.29	
" - 1000		156.22	
" - 1455		156.14	
" - 1945		155.73	
9/18 - 1130		155.73	
9/19 - 0910		155.63	
9/23 - 1210		155.52	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. G-21

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Proffitt Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, (m) in feet, below top of casing.	Notes
8/31 / 1810		133.78	measurements are in METERS
9/1 / 0525		132.48	(add 2½ inches to all measurements)
" / 1150		131.77	
" / 1422		131.39	
9/2 / 0651		131.41	
9/2 / 1247		131.41	
9/2 / 1459		131.42	
9/3 / 0949		131.41	
9/3 / 1108		131.42	
9/3 / 1552		131.40	
9/4 / 0734		131.39	
9/4 / 0837		131.40	
9/4 / 1151		131.41	
9/4 /	MISSED IT		
9/5 / 0820		131.40	
9/5 / 1400		131.33	
9/6 / 0852		131.39	
9/6 / 1044		131.39	
9/7 / 0804		131.33	
9/7 / 0837		131.30	
9/7 / 1030		131.30	
9/8 / 1002		131.36	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. G21

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jim Pollitt Datum: Top of Riser Casing.

Discharge of Pump: N/A gallons per minute.

Static Water Level Before Pumping Began: N/A feet below top of casing.

Exact Time Pump Started: N/A on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
9/8 - 1041		121.39	
9/8 - 1254		121.35	
9/9 - 0914		121.29	
9/9 - 1009		121.40	
9/10 - —		BLOCKAGE	I can't obtain a reading due to an obstruction at 132 meters - possibly lost thief sampler(?).
9/11 - —		BLOCKAGE	
9/12 - —		BLOCKAGE	
9/13 - —		BLOCKAGE	
9/14 —		Blockage	We
9/15 - 1000		131.20	Added some clearing of the obstruction w/ the Jones Bailer - obtained a good level finally!!!
9/15 - 1710		131.72	
9/15 - 2009		132.26	
9/16 - 0902		132.31	
9/16 - 0922		132.31	
9/16 - 1643		132.30	
9/16 - 1725		132.30	
9/17 0520		132.26	
" - 0745		132.28	
" - 0945		132.25	BEGIN RECOVERY AT P2
" - 1415		132.18	
" - 1959		131.75	
9/18 - 1114		131.68	
9/19 - 0831		131.50	
9/19 - 1739		131.85	

PIEZOMETER NO. X-1

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Jerry Proffitt Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, (m) in feet, below top of casing.	Notes
8/31 / 18:30		132.05	measurements are in METERS
9/1 / 0820		132.12	(add 2½ inches to all measurements
" / 1238		132.10	
" / 1441		132.14	
9/2 / 0739		132.12	
9/2 / 14:27		132.12	
9/2 / 14.45		132.12	
9/3 / 1021		132.10	
9/3 / 1053		132.10	
9/3 / 1612		132.12	
9/4 / 0749		132.31	
9/4 / 0810		132.29	
9/4 / 1118		132.30	
9/4 /	MISSED IT		
9/5 / 0845		132.31	
9/5 / 1410		132.29	
9/6 / 1013		132.30	
9/6 / 1020		132.30	
9/7 / 0818		132.00	
9/7 / 0825		132.00	
9/7 / 1049		132.02	
9/8 / 1018		132.12	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. X-1

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
9/8 - 10.24		128.12	
9/8 - 13:15		132.02	
9/9 - 0810		132.18	
9/9 - 0950		132.15	
9/10 0759		132.95	
9/10 0820		133.41	
9/10 1541		133.87	
9/11 0700		134.25	
9/11 1229		134.22	
9/11 [illegible]		[illegible]	foam on [illegible] water
9/12 - 0920		134.44	
9/12 - 1320 *		131.52	*Changed back to bottle method due to foam & tar in hole. Near impossible to obtain a reading using the microscope.
9/12 - 1915		131.29	
9/13 - 0505		131.29	
9/13 - 0840		131.29	
9/13 - 1910		131.45	
9/14 - 1125		131.56	
9/14 - 1152		131.56	
9/14 - 2035		131.60	
9/15 0427		131.40	
9/15 0700		131.42	
9/15 2020		131.59	

PRELIMINARY SUBJECT TO REVISION

PIEZOMETER NO. X-1

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

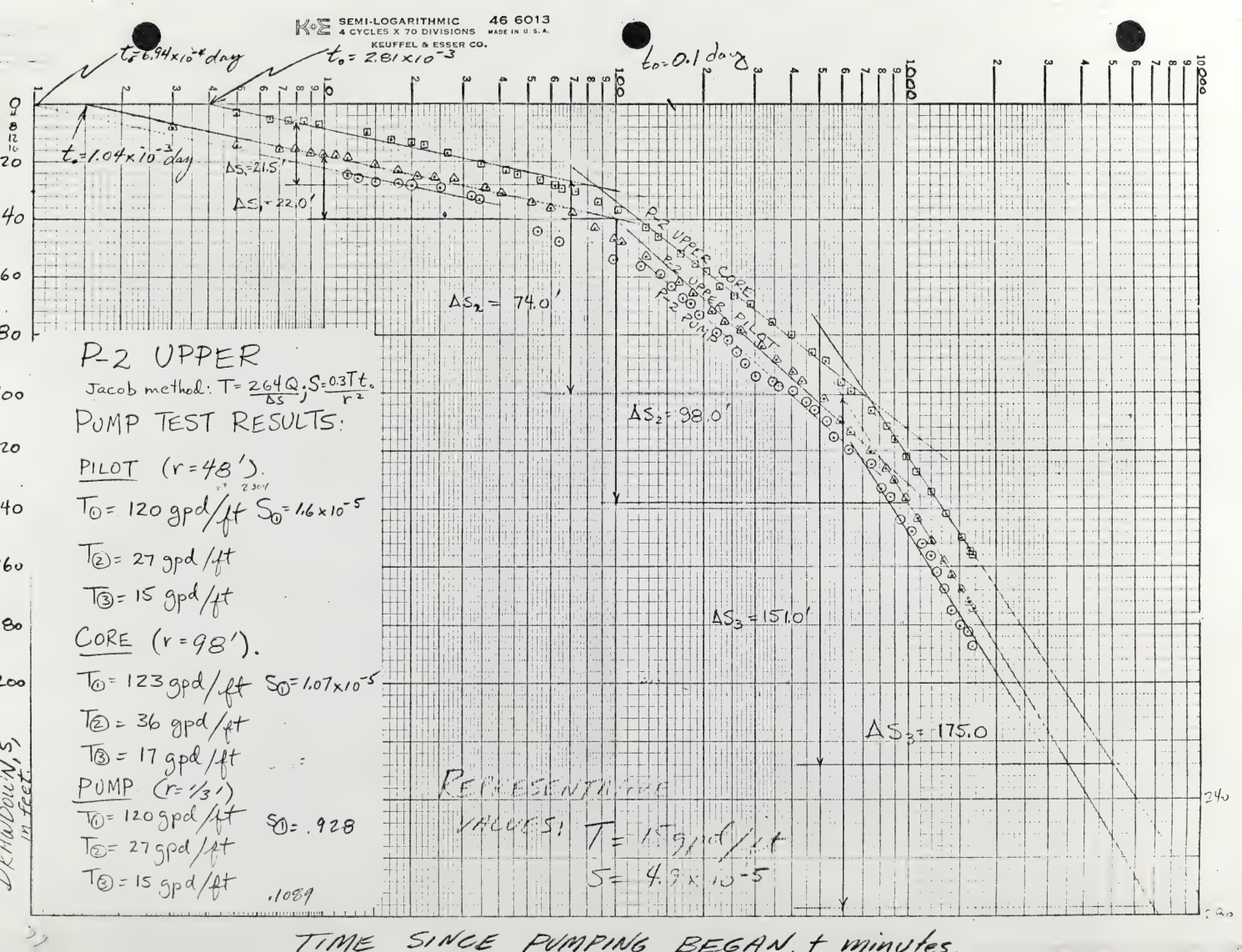
Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

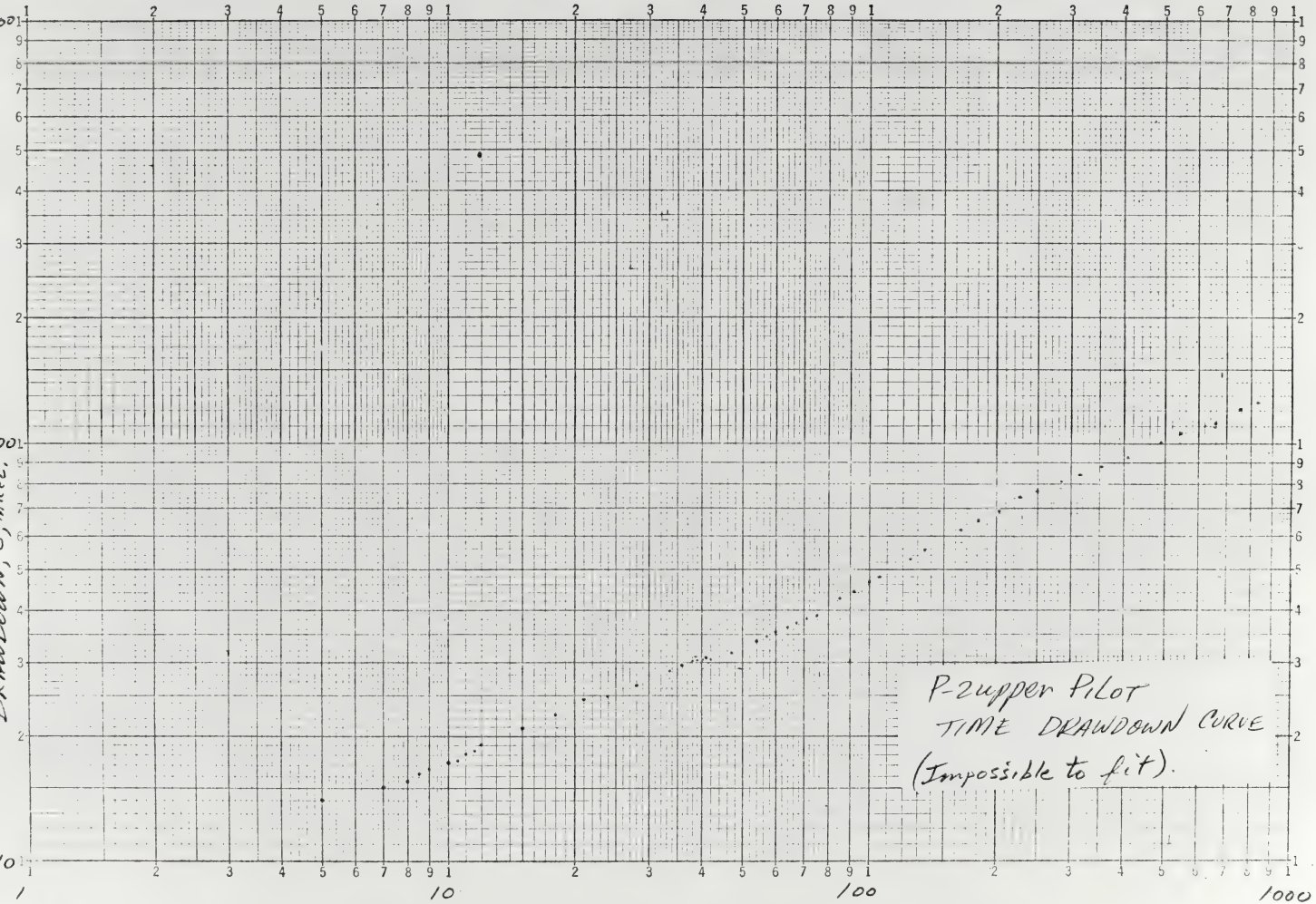
Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours	Time Since Pump Started, in minutes.		
9/16 - 1[illegible]		132.05	[illegible]
9/16 - 2130		132.00	[illegible]
9/17 - 0540		132.06	
9/17 - 0800		132.04	
" - 0928		132.04	470 - 10"
" - 2030		132.06	470 - 10"
9/18 - 1025		131.93	470 - 15"
9/19 - 0808		131.34	
9/23 - 1256		131.39	

PRELIMINARY - SUBJECT TO REVISION


K+E SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.
$t_0 = 6.94 \times 10^{-4}$ day
$t_0 = 2.81 \times 10^{-3}$
$t_0 = 0.1$ day
$t_0 = 1.04 \times 10^{-3}$ day
$\Delta S_1 = 21.5'$
$\Delta S_1 = 22.0'$
$\Delta S_2 = 74.0'$
$\Delta S_2 = 98.0'$
$\Delta S_3 = 151.0'$
$\Delta S_3 = 175.0$
P-2 UPPER CORE
P-2 UPPER PILOT
P-2 PUMP
P-2 UPPER
Jacob method: $T = \frac{264Q}{\Delta S}$; $S = \frac{0.3Tt_0}{r^2}$
PUMP TEST RESULTS:
PILOT (r = 48').
$T_{①} = 120$ gpd/ft $S_{①} = 1.6 \times 10^{-5}$
$T_{②} = 27$ gpd/ft
$T_{③} = 15$ gpd/ft
CORE (r = 98').
$T_{①} = 123$ gpd/ft $S_{①} = 1.07 \times 10^{-5}$
$T_{②} = 36$ gpd/ft
$T_{③} = 17$ gpd/ft
PUMP (r = 1/3')
$T_{①} = 120$ gpd/ft $S_{①} = .928$
$T_{②} = 27$ gpd/ft
$T_{③} = 15$ gpd/ft
.1089
REPRESENTATIVE VALUES: T = 15 gpd/ft
S = 4.9×10^{-5}
DRAWDOWN, S, in feet
TIME SINCE PUMPING BEGAN, t minutes

K+E LOGARITHMIC 46 7323
2 X 3 CYCLES MADE IN U.S.A.
KEUFFEL & ESSER CO.



JOB NO.: 1517-11
Page 1 of
Recorded by: JW/LE

Well No.: P-2 [illegible]
Stage of Test (check one):
☐ Pump
☒ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: _____ gallons per minute
STATIC WATER LEVEL DEPTH: [illegible] feet
EXACT TIME PUMP STARTED: [illegible] (HOURS) ON [illegible] (DATE)
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE)

EXACT TIME			PUMPING DATA		RECOVERY DATA				
of day (clock)	1667 Since Pump Started, t, minutes.	Since Pump Stopped, t', minutes.	Water Level Depth, Feet	Drawdown s, Feet	Ratio t/t'	Residual Drawdown S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	1667½	½			[illegible]	176.70			
	[illegible]	1			1666.[illegible]	176.55			
	[illegible]	2			[illegible]	175.70			
	[illegible]	3			[illegible]	175.10			
	[illegible]	4			[illegible]	174.60			
	1672	5			334.67	174.55			
	[illegible]	7			238.14	173.[illegible]			
	1676	9			[illegible]	173.[illegible]			
	[illegible]	11			152.55	172.69			
	[illegible]	13			129.03	172.12			
	[illegible]	15			110.13	171.32			
	[illegible]	18			93.61	170.60			
	[illegible]	22			76.77	[illegible]			
	1691½	24½			69.04	[illegible]			
	1694½	27½			61.62	167.75			
	1697	30			56.57	167.02			
	1730.5	33½			51.66	[illegible]			
	1706	39			50.93	164.[illegible]			
	1711	44			38.89	162.88			
	1718	51			33.69	160.77			
	1724	57			30.25	159.17			
	1730	63			27.46	157.30			
	1737	70			24.81	155.57			
	1747	80			21.84	152.22			
	1757	90			19.52	149.40			
	1769	102			17.[illegible]	145.71			
	1798	131			13.73	138.32			

PRELIMINARY - SUBJECT TO REVISION

JOB NO.: 1517-11
Page 2 of
Recorded by: JUTTLE

Well No.: P-2 [illegible] pilot
Stage of Test (check one):
☐ Pump
☒ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: _____ gallons per minute
STATIC WATER LEVEL DEPTH: _____ feet
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE)
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE)

EXACT TIME			PUMPING DATA				RECOVERY DATA		
of day (clock)	Since Pump Started, t, minutes.	Since Pump Stopped, t', minutes.	Water Level Depth, Feet	Drawdown s, Feet	Ratio t/t'	Residual Drawdown S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	1711.5	147½			12.20	134.37			
	1827	160			11.42	131.68			
	1893	186			[illegible]	126.52			
	1874	207			9.05	122.82			
	1894	227			8.34	119.41			
	1926	259			7.44	115.52			
	1952	[illegible]			6.85	111.92			
	1993	[illegible]			6.11	[illegible]			
	2034	317			5.54	101.95			
	2095	378			4.99	96.91			
	2151	430			4.44	92.03			
	2212	505			4.06	87.80			
	2249	582			3.86	85.37			
	2271	604			3.76	84.11			
	2302	635			3.63	82.38			
	2361	694			3.40	79.35			
	2400	733			3.27	77.42			
	2423	756			3.21	76.60			
	2457	790			3.11	75.40			
	2482	815			3.05	74.47			
	2507	840			2.98	73.97			
	2537	870			2.92	72.45			
	2566	899			2.85	71.55			
	2601	934			2.78	70.63			
	2621	954			2.75	69.56			
	2690	1023			2.63	67.26			
	2752	1085			2.54	65.82			

PRELIMINARY SUBJECT TO REVISION

JOB NO.: 1517-11
Page 2 of ___
Recorded by: _____

Well No.: P-2 upper Pilot
Stage of Test (check one):
☐ Pump
☑ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: _____ gallons per minute
STATIC WATER LEVEL DEPTH: _____ feet
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE)
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE)

EXACT TIME			PUMPING DATA				RECOVERY DATA		
of day (clock)	Since Pump Started, t, minutes	Since Pump Stopped, t', minutes	Water Level Depth, Feet	Draw-down s, Feet	Ratio t/t'	Residual Draw-down S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	2812	1145			2.46	63.57			
	2877	1210			2.37	62.22			
	3033	1266			[illegible]	60.80			
	4218	2551			1.65	43.15			
	[illegible]	[illegible]			[illegible]	42.35			
	5410	4013			1.39	32.27			
	[illegible]	[illegible]			1.31	30.11			
	8861	7194			1.23	25.87			
	9955	[illegible]			1.20	23.87			
	11253	[illegible]			1.17	21.45			
	12563	[illegible]			1.15	19.75			
	[illegible]	[illegible]			1.0542	9.78			
	[illegible]	[illegible]			1.0493	7.27			
	37410	[illegible]			1.0466	8.25			
	39001	37334			1.0446	8.11			
	39948	[illegible]			1.0435	8.08			
	41508	[illegible]			1.0418	7.42			

PRELIMINARY - SUBJECT TO REVISION

Page 1 of ___.
Recorded by: JMT/LJE.

Stage of Test (check one)
☑ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING.
DISCHARGE OF PUMP: _____ gallons per minute.
STATIC WATER LEVEL DEPTH: _____ feet.
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE).
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE).

EXACT TIME			PUMPING DATA		RECOVERY DATA				
(day clock)	since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAW-DOWN, s, feet.	RATIO t/t'	RESIDUAL DRAW-DOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
	3			8.04					
	5			14.12					
	7			15.05					
	8			15.76					
	8 1/2			16.30					
	9			16.80					
	10			17.17					
	10 1/2			17.52					
	11			18.02					
	11 1/2			18.52					
	12			19.04					
	15			21.00					
	18			22.65					
	21			24.61					
	24			24.80					
	28			26.52					
	33 1/2			28.80					
	36			29.71					
	40 1/2			31.00					
	43 1/2			31.94					

PRELIMINARY SUBJECT TO REVISION

Job No. ____.
Page 2 of ____.
Recorded by: ____.

Stage of Test (check one)
☐ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING.
DISCHARGE OF PUMP: ____ gallons per minute.
STATIC WATER LEVEL DEPTH: ____ feet.
EXACT TIME PUMP STARTED: ____ (HOURS) ON ____ (DATE).
EXACT TIME PUMP STOPPED: ____ (HOURS) ON ____ (DATE).

EXACT TIME		PUMPING DATA		RECOVERY DATA				
since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAW-DOWN, s, feet.	RATIO t/t'	RESIDUAL DRAW-DOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
52			33.90					
56 1/2			34.93					
60			35.65					
64			36.58					
67			37.33					
71			38.07					
75			38.84					
85 1/2			43.02					
92			44.32					
99 1/2			46.80					
105			48.05					
127			53.07					
135			55.80					
165			62.25					
184			65.70					
201			69.15					
213			72.15					
227			74.50					
237			75.37					
250			76.65					
265			78.80					
284			80.78					

PRELIMINARY - SUBJECT TO REVISION

Page 3 of ___.
Recorded by: _____.

Stage of Test (check one)
☑ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: _____ gallons per minute.
STATIC WATER LEVEL DEPTH: _____ feet.
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE).
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE).

EXACT TIME			PUMPING DATA		RECOVERY DATA				
f y ck)	since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAW-DOWN, s, feet.	RATIO t/t'	RESIDUAL DRAW-DOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
	302½			82.73					
	315			84.67					
	342			86.90					
	355			88.32					
	368			89.57					
	393			92.22					
	408			93.40					
	434			96.05					
	453			98.47					
	467			99.17					
	491			101.38					
	505			101.81					
	518			101.91					
	543			106.80					
	551			107.85					
	564			109.07					
	587			110.43					
	606			111.75					
	634			113.40					
	752			120.50					
	778			121.55					
	812			125.18					

PRELIMINARY - SUBJECT TO REVISION

Page 4 of ___.
Recorded by: _____.

Stage of Test (check one)
☒ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING.
DISCHARGE OF PUMP: _____ gallons per minute.
STATIC WATER LEVEL DEPTH: _____ feet.
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE).
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE).

EXACT TIME		PUMPING DATA		RECOVERY DATA				
since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAWDOWN, s, feet.	RATIO t/t'	RESIDUAL DRAWDOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
840			126.53					
871			129.42					
900			130.10					
940			134.48					
962			135.96					
992			137.05					
1022			141.05					
1054			142.35					
1076			143.72					
1120			146.68					
1141			147.89					
1177			150.10					
1200			151.15					
1230			152.93					
1263			153.55					
1289			156.37					
1321			158.55					
1350			160.27					
1383			162.22					
1406			163.60					
1432			164.73					
1470			166.28					

PRELIMINARY - SUBJECT TO REVISION

Page 5 of ___.
Recorded by: _____.

Stage of Test (check one)
☐ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING.
DISCHARGE OF PUMP: _____ gallons per minute.
STATIC WATER LEVEL DEPTH: _____ feet.
EXACT TIME PUMP STARTED: _____ (HOURS) ON _____ (DATE).
EXACT TIME PUMP STOPPED: _____ (HOURS) ON _____ (DATE).

EXACT TIME		PUMPING DATA		RECOVERY DATA				
since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAWDOWN, s, feet.	RATIO t/t'	RESIDUAL DRAWDOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
1514			168.15					
1549			169.71					
1588			171.30					
1615			172.38					
1641			173.46					
1667			174.53					

PRELIMINARY - SUBJECT TO REVISION

IB. No. 1517-11
Page 1 of ___.
Date: 8/18/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST:

WELL NO. P-2 Upper Pilot (Check one) PUMP ☑ RECOVERY ☐.

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: 98.20 feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: 1800 (Hours) on 8/19 (Date).

Date	Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
8/14	1510	—	98.30	NOTE: For the recovery period record time after pump stopped.
8/18	1130	—	98.20	
		3	106.24	
		5	112.32	
		7	113.25	
		7	113.96	
		8	114.5	
		9	115.0	
		10	115.37	
		10 1/2	115.72	
		11	116.22	
		11 1/2	116.72	
		12	117.24	
		15	119.20	
		18	120.85	
		21	122.81	
		24	123.0	
		28	124.7	
		33 1/2	127.00	
		36	127.11	
		40 1/2	129.2	
		43 1/2	130.14	

PRELIMINARY - SUBJECT TO REVISION

Job. No. 1517-11

Page 2 of ___.

Date: 8/18/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P-2 upper pilot

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / TM Datum: Top of Riser Casing.

Discharge of Pump: 10 gallons per minute.

Static Water Level Before Pumping Began: 98.20 feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
	52	132.1	NOTE: For the recovery period record time after pump stopped.
	56 1/2	133.13	
	60	133.85	
	64	134.78	173 − 98 = 75
	67	135.57	
	71	136.27	
	75	137.04	
	85 1/2	141.22	
	92	143.62	
	99 1/2	145.00	
	105	146.25	
	127	151.27	
	135	154.00	Good luck JWT
1615	165	160.45	
1634	184	163.90	175.00 − 1.43 = 173.57
1651	201	167.35	
1702	213	170.35	
1717	227	172.70	At this point there has been roughly 75' of drawdown yet the Stevens Recorder shows only about 34.5'?? Punch on!
1727	237	173.57	
1740	250	174.65	
1758	268	177.00	
1814 1/2	284	178.28	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 3 of ___.

Date: 8/18/75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

WELL NO. P-2 Upper

DEEP AQUIFER PUMP TEST PILOT.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT Datum: Top of Riser Casing.

Discharge of Pump: 10 gallons per minute.

Static Water Level Before Pumping Began: 98.20 feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8/18/75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1832½	302½	180.93	NOTE: FOR the recovery period record time after pump stopped.
1845	315	182.27	
1912	342	185.10	
1925	355	186.52	
1938	368	187.77	
2003	393	190.42	
2018	408	191.60	
2044	434	194.25	
2103	453	196.13	← 10 gpm constant Discharge.
2117	467	197.37	
2141	491	199.58	Cal's lighting system is working real good! No snakes observed yet but there are about 50 specie of bugs that also like Cal's lights.
2155	505	200.01	
2208	518	200.11	
2233	543	205.00	
2241	551	206.05	
2254	564	207.27	210.00 1.36 208.63
2317	587	208.63	
2336	606	209.95	Dick 20-30 min. meas. are sufficient now. See contingency plans in yellow notebook....
2404	634	211.6	
0202	752	218.7	
0228	778	219.75	
0302	812	223.38	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 4 of ___.

Date: 5-19-75

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P-2 [illegible]

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: D.M. Datum: Top of Riser Casing.

Discharge of Pump: 110 gallons per minute.

Static Water Level Before Pumping Began: 99.20 feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 8-18-75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (4 Digits)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
0330	840	224.73'	NOTE: For the recovery period record time after pump stopped.
0401	871	227.62'	
0430	900	228.35'	Over
0510	940	232.68'	
0532	962	234.16'	
0602	992	235.25'	
0632	1022	239.25'	
0704	1054	240.55'	
0726	1076	241.92'	
0810	1120	244.88'	
0831	1141	246.09'	
0907	1177	248.30'	
0930	1200 (zero)	249.35'	
1000	1230	251.13'	
1033	1263	251.75	
1059	1289	254.57	
1131	1321	256.75	
1200	1350	258.47	
1233	1383	260.42	
1256	1406	261.80	
1322	1432	262.93	
1400	1470	264.48	

PRELIMINARY-SUBJECT TO REVISION

PIEZOMETER NO. P2-lower pilot

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Sims & Proffitt Datum: Top of Riser Casing.

Discharge of Pump: 550 gpm gallons per minute.

Static Water Level
Before Pumping Began: 157.65 feet below top of casing.

Exact Time Pump Started: 0845 (Hours) on 9/11/5 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, (s) in feet, below top of casing.	Notes
0845¼	¼	158.23 (0.58)	
0845½	½	161.84 (3.19)	
0846	1	162.39 (4.74)	
0846½	1½	162.65 (5.00)	
0847½	2½	162.95 (5.30)	
0848	3	163.16 (5.51)	
0848½	3½	163.27 (5.62)	
0849	4	163.36 (5.71)	
0849½	4½	163.48 (5.83)	
0849¾	4¾	163.60 (5.95)	
0850	5	163.79 (6.14)	
0851	6	163.83 (6.18)	
0851½	6½	163.92 (6.27)	
0852	7	164.01 (6.36)	
0853	8	164.11 (6.46)	
0854	9	164.21 (6.56)	
0855	10	164.32 (6.67)	
0856	11	164.39 (6.74)	
0857	12	164.49 (6.84)	
0858	13	164.58 (6.93)	
0859	14	164.65 (7.00)	
0900	15	164.69 (7.04)	

PRELIMINARY - SUBJECT TO RE

PIEZOMETER NO. P2-Lower pilot

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Siems & Proffitt Datum: Top of Riser Casing.

Discharge of Pump: 550 gpm gallons per minute.

Static Water Level Before Pumping Began: 157.65 feet below top of casing.

Exact Time Pump Started: 0845 (Hours) on 9/11/5 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, (s) in feet, below top of casing.	Notes
0901	16	164.71 (7.06)	
0902	~~18~~ 17	164.79 (7.14)	
0904	~~20~~ 19	164.89 (7.24)	
0906	~~22~~ 21	164.99 (7.34)	
0908	~~24~~ 23	165.08 (7.43)	
0910	~~27~~ 26	165.21 (7.56)	
0916	31	165.43 (7.76)	
0921	36	165.60 (7.93)	
0925	40	165.67 (8.00)	
0930	45	165.73 (8.09)	
0940	55	166.03 (8.29)	
0953	68	[illegible]	
1001	76	[illegible]	
1017	[illegible]	[illegible]	
1036	111	[illegible]	
1059	[illegible]	[illegible]	
[illegible]	171	[illegible]	
1200	[illegible]	[illegible]	
[illegible]	231	[illegible]	
[illegible]	253	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	377	[illegible]	

PRELIMINARY-SUBJECT TO REVISION

PIEZOMETER NO. [illegible]

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Siemens Proffit Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level Before Pumping Began: 157.65 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/11/75 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing. (2)	Notes
[illegible]	435	[illegible] (9.8[illegible])	
[illegible]	491	[illegible] (9.8[illegible])	
1906	561	[illegible] (9.73)	
1903	618	[illegible] (10.05)	
1959	674	167.[illegible] (10.1[illegible])	
2100	735	167.85 (10.2[illegible])	
[illegible]	803	[illegible] (10.24)	
[illegible]	860	[illegible] (10.23)	
9/12 *0004	921	[illegible] (10.27)	
	1027	[illegible] (10.35)	
0410	1165	[illegible] (10.43)	
[illegible]	1285	[illegible] (10.48)	
0801	1396	[illegible] (10.55)	
0954	1513	168.16 (10.51)	
1207	1636	168.19 (10.54)	
[illegible]	1756	[illegible] (10.[illegible])	
1604	1879	168.06 (10.[illegible])	
1804	1999	168.09 (10.44)	
1956	2111	168.0[illegible] (10.[illegible])	
2011	2246	[illegible] (10.4[illegible])	
9/13 0001	2356	[illegible] (10.[illegible])	
0204	2482	[illegible] (10.58)	
0409	2607	168.30 (10.68)	

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P2 lower core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Williams Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level Before Pumping Began: [illegible] feet below top of casing.

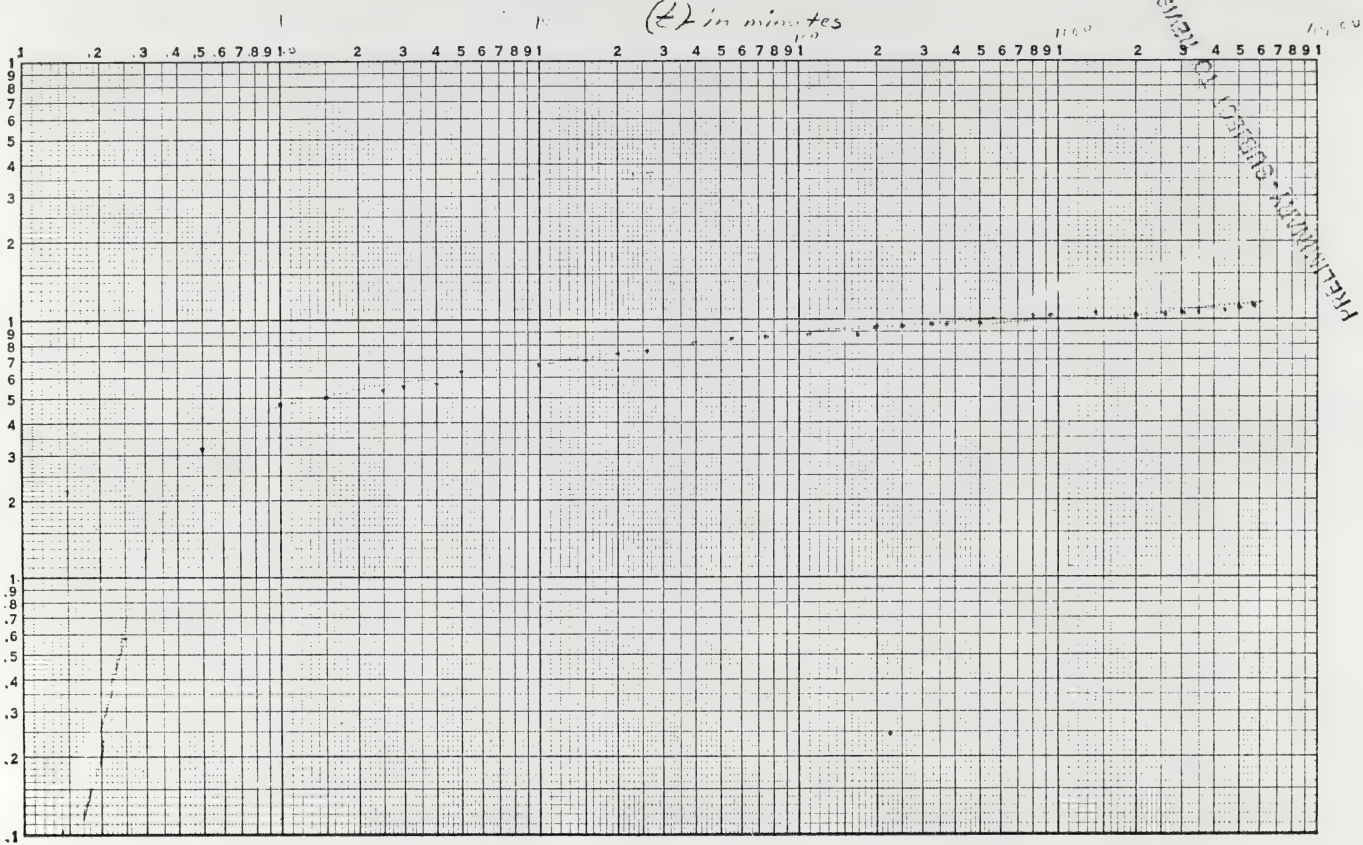
Exact Time Pump Started: 1325 (Hours) on [illegible] (Date).

Exact Time Pump Stopped: 1520 (Hours) on 9/2/95 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1716		[illegible]	.15

PRELIMINARY - SUBJECT TO REVISION

K+E LOGARITHMIC 3 X 5 CYCLES 46 7522 MADE IN U.S.A.
KEUFFEL & ESSER CO.



PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 1 of 4.

Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. pII Low Pre

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] & Siems Datum: Top of Riser Casing.

Discharge of Pump: 100 - 200 gpm gallons per minute.

Static Water Level Before Pumping Began: 158.17 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/5/5 (Date).

Exact Time Pump Stopped: 1515 (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
9/2 1015		158.01	NOTE: For the recovery period record time after pump stopped.
9/3 1125		158.03	
9/4 1020		158.09	Q=100 gpm
9/5 0937		158.17	
0950.5	5 1/2	158.67	
0950.5	7 1/2	158.69	
0958	13	158.71	
0960	15	158.71	
1001.5	16.5	[illegible]	
1006	21.0	158.76	
1007	22.0	158.77	
1012.5	28.5	158.8	
1015	30.0	158.8	
1019.5	34 1/2	158.85	
1023.5	38 1/2	158.89	
1032.5	47 1/2	158.86	
1036	51.0	158.87	
1040	55.0	158.87	
1045	60.0	158.87	
1049	64.0	159.43	Q = 200 gpm
1050	65.0	159.55	
1051	66.0	159.6	

JOB. No. 1517-11

Page 2 of 4.

Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P II Lew Core

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Proffitt / Stearns Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level Before Pumping Began: 158.17 feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on 9 15 [illegible] (Date).

Exact Time Pump Stopped: [illegible] (Hours) on 9 15 [illegible] (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1058.5	68½	159.[illegible]	NOTE: For the recovery period record time after pump Stopped.
1056.5	71½	[illegible]	
1058	73	159.[illegible]	
1105	80	159.[illegible]	
1110.5	85½	159.21	
1111	86.0	159.[illegible]	
1115	90.0	159.[illegible]	
1123	98	[illegible]	
1133	111	[illegible]	
1144	120	[illegible]	
1148	124	[illegible]	Q = 400 gpm
1150	[illegible]	161.64	
1152	[illegible]	161.72	
1154	[illegible]	161.81	
1155	[illegible]	161.93	
1158	[illegible]	[illegible]	
1200	[illegible]	[illegible]	
1202	[illegible]	[illegible]	
1204	[illegible]	[illegible]	
1207	[illegible]	[illegible]	
1212	[illegible]	[illegible]	
[illegible]	[illegible]	160.5	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 3 of 4.

Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. [illegible]

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Proffitt & Siems Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: 158.17 feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on [illegible] (Date).

Exact Time Pump Stopped: [illegible] (Hours) on 9/[illegible] (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
[illegible]	159	[illegible]	NOTE: For the recovery period record time after pump stopped.
[illegible]	167	[illegible]	
1242	177	162.63	
[illegible]	187	[illegible]	Adj. pumping up to 800 & went higher
1304		164.21	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	Wide open (approx. 450 gpm)
1312		[illegible]	
1350		164.[illegible]	
[illegible]		[illegible]	
[illegible]		164.[illegible]	
1402		164.[illegible]	
[illegible]		[illegible]	
1413		[illegible]	
1408		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
1517	2	[illegible]	Recovery
1519	4	[illegible]	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 4 of 4.

Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. PII Low Core

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 45 gpm gallons per minute.

Static Water Level Before Pumping Began: 159.17 feet below top of casing.

Exact Time Pump Started: [illegible] on 9/5/5.
(Hours) (Date)

Exact Time Pump Stopped: 1215 on 9/5/5.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1512	7	[illegible]	NOTE: For the recovery period record time after pump stopped.
[illegible]	9	[illegible] (1.03)	
[illegible]	11	[illegible] (1.91)	
[illegible]	15	159.78 (1.61)	
[illegible]	18	[illegible] (1.50)	
[illegible]	21	[illegible] (1.39)	
[illegible]	30	159.26 (1.19)	
1559	44	[illegible]	
1611	56	[illegible]	
1633	78	158.67	
1653	98	[illegible]	
1713	118	[illegible]	
[illegible]	140	[illegible]	
9/6/5 1058		158.21	
9/7/5 1100		158.11	
9/8/5 1330		158.15	
		110.04	
		109.24	
		108.97	
		109.19	

PRELIMINARY [illegible] REVISIO

JOB NO.: 1517-11
Page ___ of ___
Recorded by: J.W. Thackston

Well No.: P-3 PUMP
Stage of Test (check one):
☐ Pump
☑ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: 3 gallons per minute
STATIC WATER LEVEL DEPTH: 496.2 feet
EXACT TIME PUMP STARTED: 1415 (HOURS) ON 8/15/75 (DATE)
EXACT TIME PUMP STOPPED: 1445 (HOURS) ON 8/15/75 (DATE)

EXACT TIME			PUMPING DATA		RECOVERY DATA				
of day (clock)	Since Pump Started, t, minutes.	Since Pump Stopped, t', minutes.	Water Level Depth, Feet	Drawdown s, Feet	Ratio $\frac{t}{t'}$	Residual Drawdown S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	34½	4½			7.66	31.2			
	35½	5½			6.45	31.2			
	37	7			5.28	30.6			
	39	9			4.33	30.0			
	43	13			3.30	26.6			
	45	15			3.00	25.4			
	46½	16½			2.82	25.2			
	50	20			2.50	24.0			
	52	22			2.36	23.1			
	53	23			2.30	22.9			
	57	27			2.11	21.7			
	59	29			2.03	20.8			
	62	32			1.94	20.2			
	68	38			1.79	17.9			
	70	40			1.75	17.3			
	72	42			1.71	16.9			
	77	47			1.64	14.5			
	84	54			1.55	12.7			
	89	59			1.51	11.6			
	97	67			1.45	8.5			
	100	70			1.43	8.3			
	103	73			1.41	7.6			
	106	76			1.39	6.9			
	119	89			1.34	3.7			
	121	91			1.33	3.5			
	129	99			1.30	2.31			
	135	105			1.29	1.6			

SUBJECT TO REVISION

JOB NO.: 1517-11
Page ___ of ___
Recorded by: J.W. Thackston

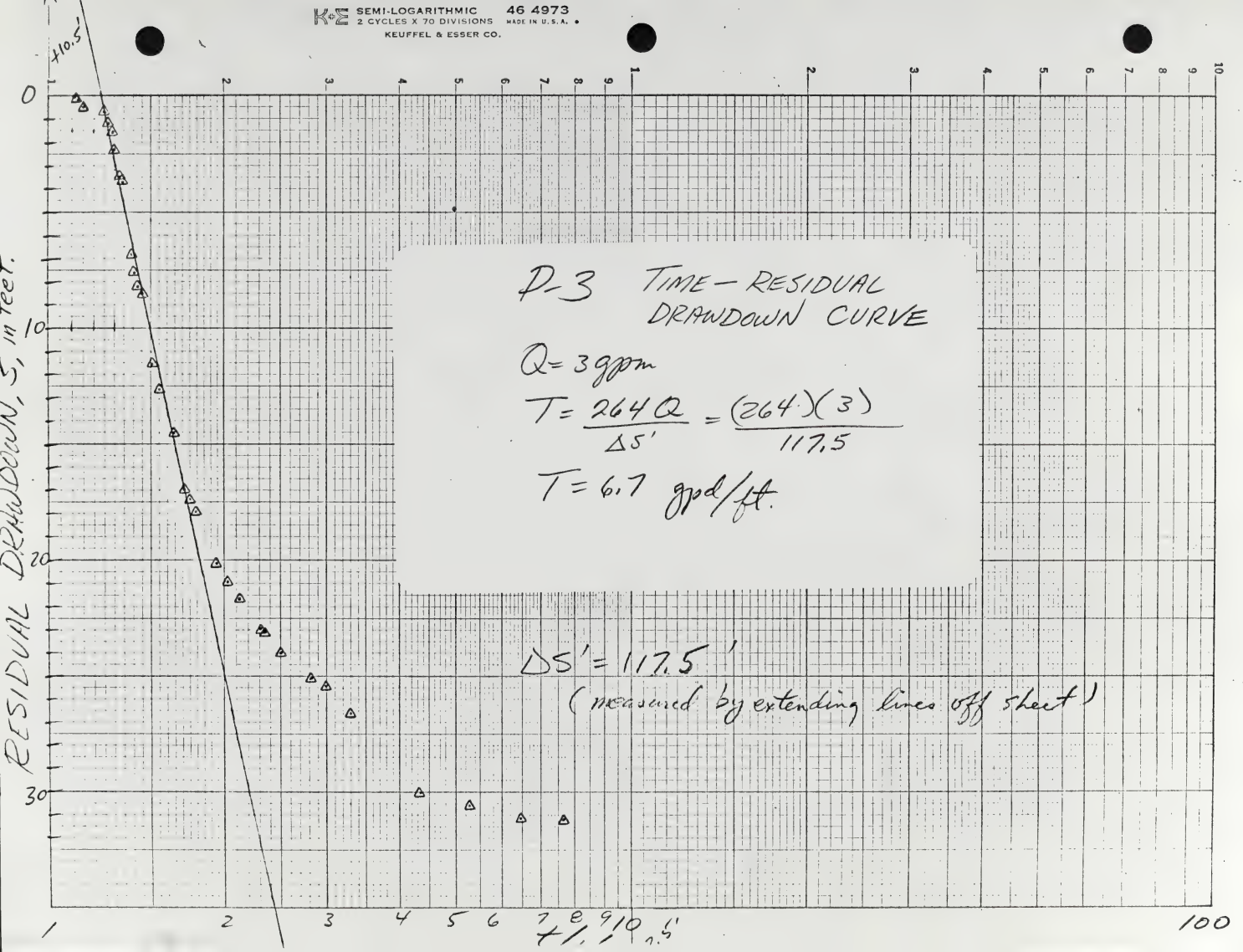
Well No.: P-3 PUMP
Stage of Test (check one):
☐ Pump
☑ Recovery

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: 3 gallons per minute
STATIC WATER LEVEL DEPTH: 496.2 feet
EXACT TIME PUMP STARTED: 1415 (HOURS) ON 8/15/75 (DATE)
EXACT TIME PUMP STOPPED: 1445 (HOURS) ON _____ (DATE)

EXACT TIME			PUMPING DATA		RECOVERY DATA				
of day (clock)	Since Pump Started, t, minutes.	Since Pump Stopped, t', minutes.	Water Level Depth, Feet	Draw-down s, Feet	Ratio $\frac{t}{t'}$	Residual Draw-down S', Feet	Drawdown From Extended Drawdown Curve, S, feet	Calculated Recovery (S-S') Feet	Notes
	143	113			1.27	1.2			
	146	116			1.26	0.9			
	150	120			1.25	0.7			
	155	125			1.24	0.5			
	165	135			1.22	0.2			
	320	290			1.10	0.0			

PRELIMINARY - SUBJECT TO REVISION


K+E SEMI-LOGARITHMIC 46 4973
2 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.
+10.5'
RESIDUAL DRAWDOWN, S, in feet.
0
10
20
30
1
2
3
4
5
6
7
8
9
10
100
P-3 TIME-RESIDUAL DRAWDOWN CURVE
Q = 3 gpm
T = 264 Q / ΔS' = (264)(3) / 117.5
T = 6.7 gpd/ft.
ΔS' = 117.5'
(measured by extending lines off sheet)

PIEZOMETER NO. P2. lower pilot

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Siems & Prescott Datum: Top of Riser Casing.

Discharge of Pump: open discharge gallons per minute.

Static Water Level Before Pumping Began: 157.77 feet below top of casing.

Exact Time Pump Started: 1330 (Hours) on 9/9/15 (Date).

Exact Time Pump Stopped: 1530 (Hours) on 9/10/15 (Date).

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours	Time Since Pump Started, in minutes.		
9/9 1330	0	157.77 (0.00)	
	1/2	161.50 (3.73)	
1331	1	161.68 (3.91)	
	1 1/2	162.55 (4.78)	
1332	2	162.75 (4.98)	
	2 1/2	162.95 (5.18)	
1333	3	163.18 (5.41)	
	3 1/2	163.24 (5.47)	
1334	4	163.41 (5.64)	
	4 1/2	163.55 (5.78)	
1335	5	163.68 (5.91)	
	5 1/2	163.85 (5.98)	
1336	6	163.81 (6.04)	
	6 1/2	163.90 (6.03)	
1337	7	163.93 (6.18)	
	7 1/2	164.01 (6.24)	
1338	8	164.07 (6.32)	
	8 1/2	164.13 (6.36)	
1339	9	164.16 (6.39)	
	9 1/2	164.20 (6.43)	
1340	10	164.29 (6.52)	
1341	11	164.37 (6.60)	

PRELIMINARY-SUBJECT TO REVISION

PIEZOMETER NO. P2 lower pilot
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: SIEMS & PROCTER Datum: Top of Riser Casing.

Discharge of Pump: open discharge gallons per minute.

Static Water Level
Before Pumping Began: 159.99 feet below top of casing.

Exact Time Pump Started: 1330 on _____.
(Hours) (Date)

Exact Time Pump Stopped: 1530 on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing. (2')	Notes
1342	12	165.51 (6.52)	
1343	13	164.59 (6.52)	
1344	14	164.61 (6.54)	
1345	15	164.73 (7.06)	
1346	16	164.72 (7.06)	
1347	17	164.85 (7.08)	
1348	18	164.91 (7.14)	
1349	19	164.93 (7.18)	Flume 0.5 Ft = 309.87 gpm
1350	20	165.04 (7.27)	
1352	22	165.19 (7.42)	
1354	24	165.24 (7.47)	
1356	26	165.30 (7.53)	
1358	28	165.[illegible] (7.[illegible])	
1400	30	165.45 (7.[illegible])	
1403.5	33	165.50 (7.73)	
1405	32	165.60 (7.83)	
1407	37	165.65 (7.8[illegible])	
1409	39	165.[illegible] (7.[illegible])	
14.14	45	165.80 (8.03)	
14.20	51	165.90 (8.13)	
14:25	56	165.[illegible] (8.[illegible])	
1433	64	(8.45)	

PRELIMINARY - SUBJECT TO REVISION
Flume 0.25 Ft = 4[illegible] gpm

PIEZOMETER NO. [illegible] pilot

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level
Before Pumping Began: 10.77 feet below top of casing.

Exact Time Pump Started: [illegible] on [illegible].
(Hours) (Date)

Exact Time Pump Stopped: 1530 on [illegible].
(Hours) (Date)

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours	Time Since Pump Started, in minutes.		
[illegible]	87	[illegible]	pH 8.4, SC 2200, T 15.6°C.
1527	112	[illegible]	158 gpm (0.64 [illegible])
1531	[illegible]	[illegible]	RECOVERY BEGAN HERE
1531 1/2	[illegible]	[illegible]	
1532	[illegible]	[illegible]	
1532 1/2	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible] 133	[illegible]	

PRELIMINARY-SUBJECT TO REVISION

PIEZOMETER NO. D2 lower pilot
DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level
Before Pumping Began: 157.77 feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on 9/9/15 (Date).

Exact Time Pump Stopped: 1530 (Hours) on 9/9/15 (Date).

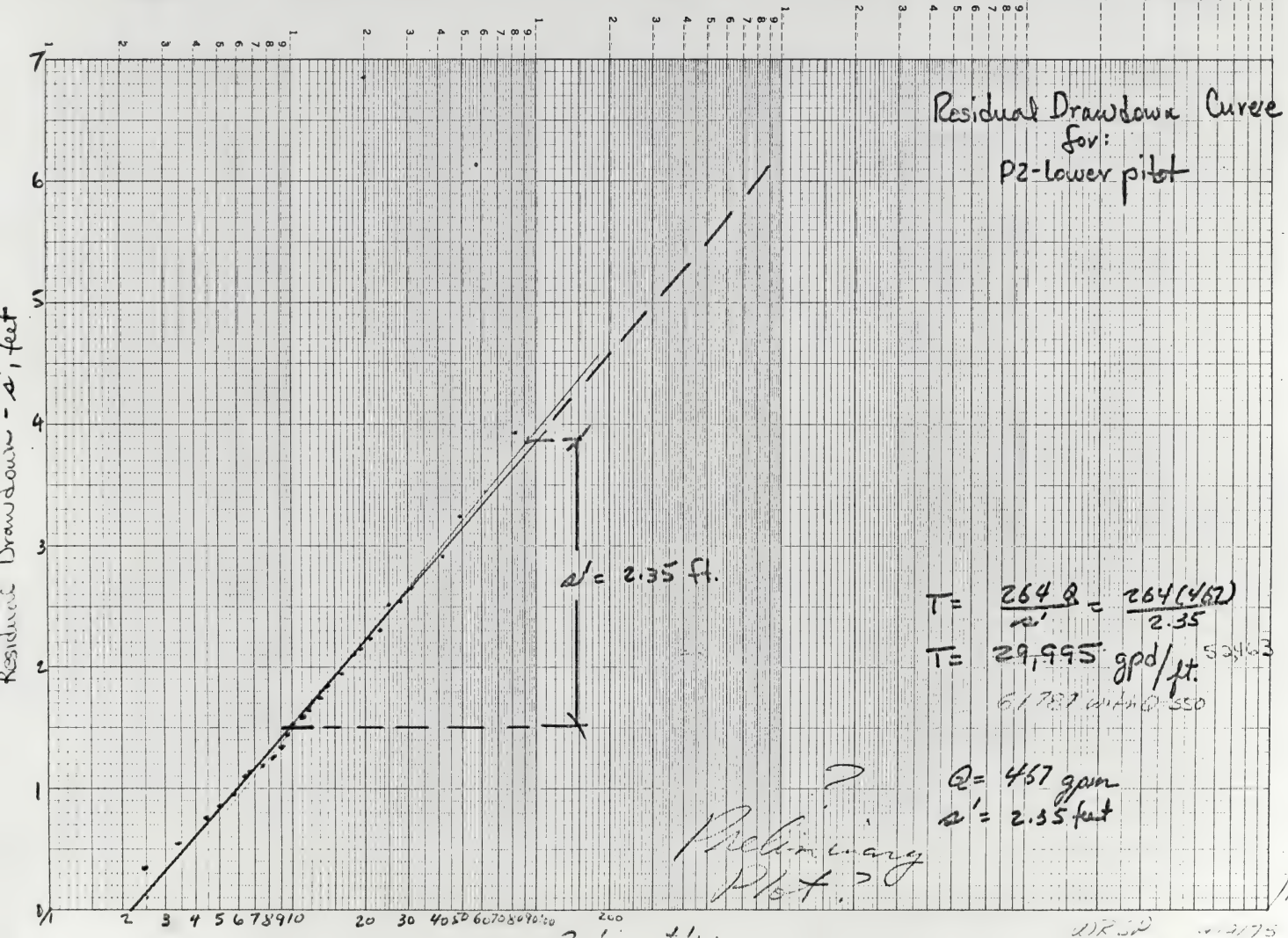
Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1547	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
1551	[illegible]	[illegible]	
1553	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
1600	[illegible] 147	[illegible]	
[illegible]	[illegible] 152	[illegible]	
1620	[illegible]	[illegible]	
1650	[illegible] 197	[illegible]	
1717		157.35	

PRELIMINARY-SUBJECT TO REVISION

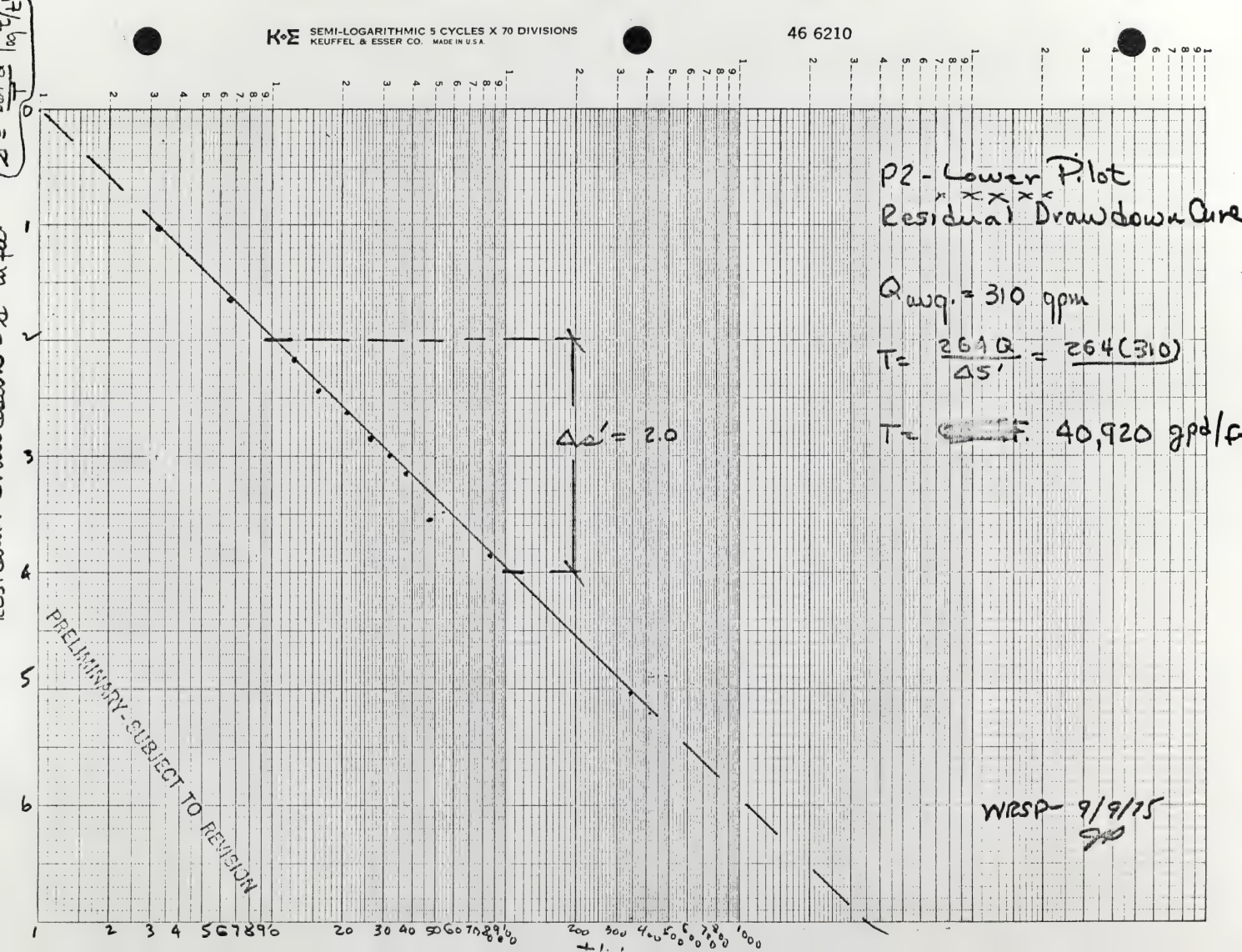
Time since pumping started (t)	Time since pumping started (t')	Ratio (t/t')	Residual drawdown (s')
122.25	.25	481.0	5.3
122.75	.75	161.0	4.25
123.25	1.25	69.6	3.65
123.75	2.25	54.8	[illegible]
124	3	41.0	[illegible]
124.3	3.3	37.4	[illegible]
124.75	3.75	33.0	[illegible]
125.3	4.3	28.9	2.51
125	5	25.0	2.44
126	6	21.0	2.[illegible]
127	7	18.1	2.09
128	8	16.0	1.[illegible]
129	9	14.3	1.[illegible]
131	11	11.9	[illegible]
133	13	10.2	1.[illegible]
135	15	9.0	1.58
137	17	8.1	1.23
139	19	7.3	1.17
141	21	6.7	1.11
143	23	6.2	1.05
148	28	5.3	.80
156	36	4.3	.71
170	50	3.4	.5[illegible]
193	73	2.6	.29
226	106	.47	.15

PRELIMINARY - SUBJECT TO REVISION

K+E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 6210

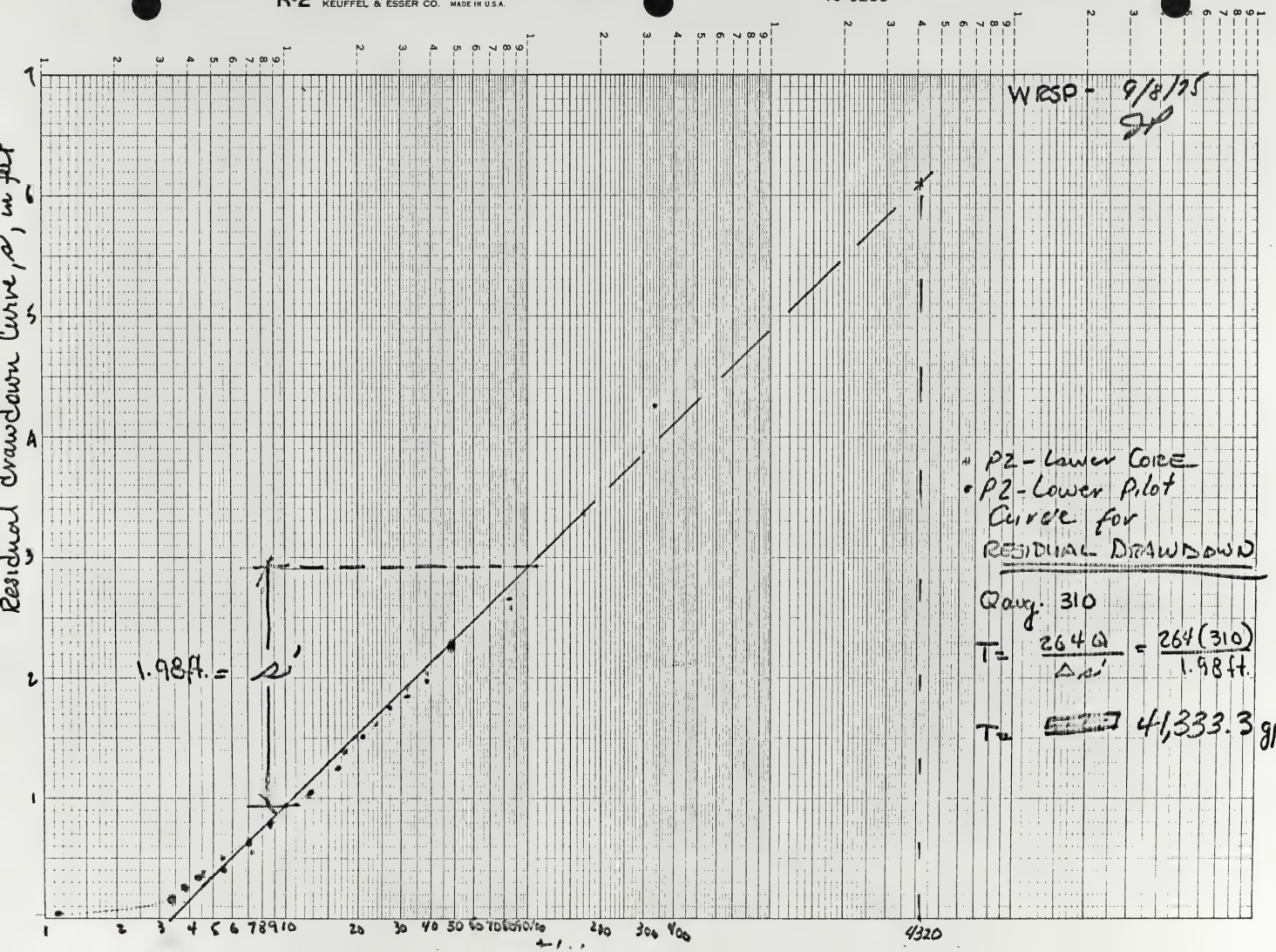


K•E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 6210

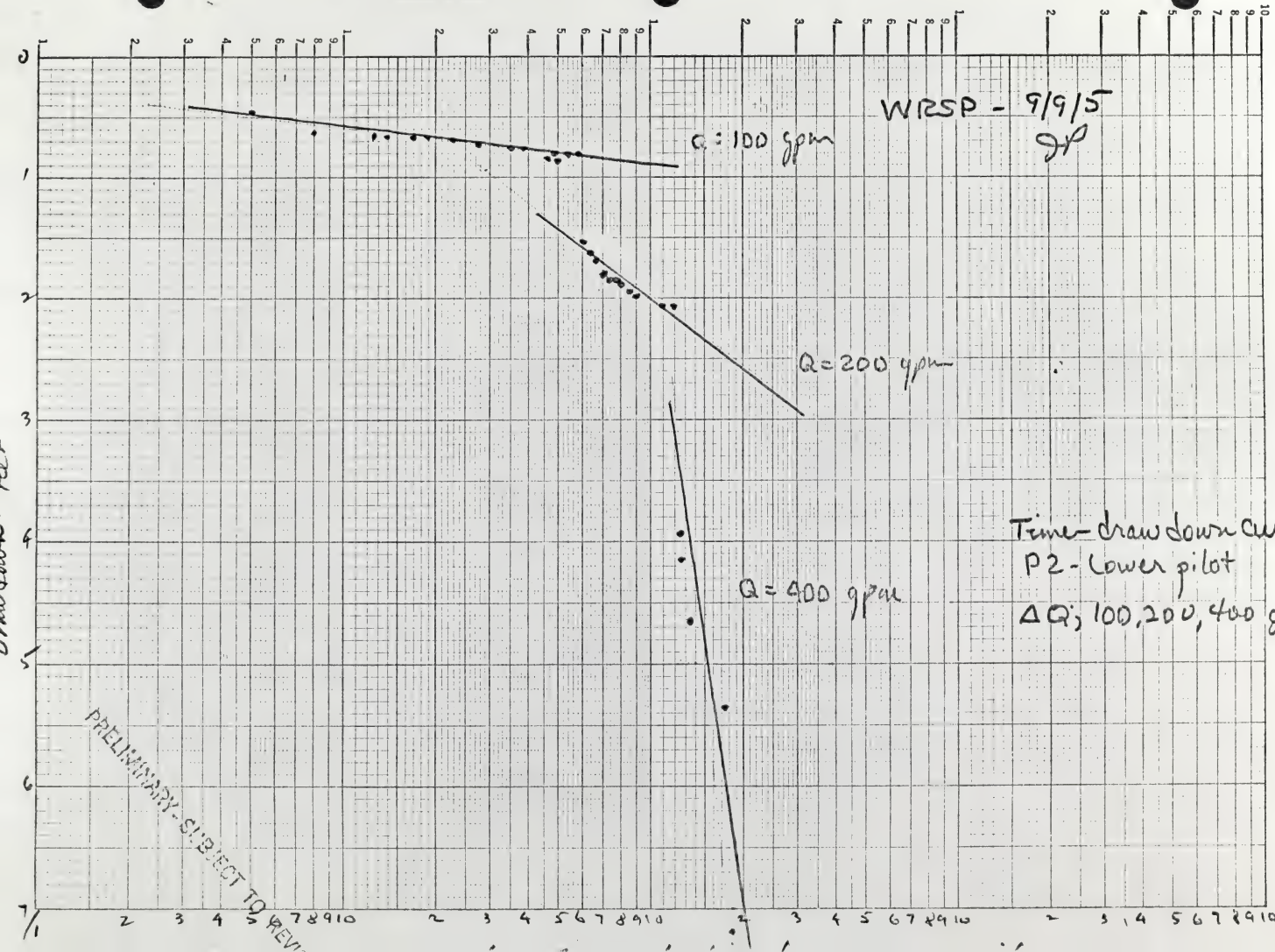


K+E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 6210



K+E SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.



$$s' = \frac{264\,Q}{T} \log t/t'$$

$T = 41{,}333$ gpd/ft
$Q_{avg} = 310$ gpm

t/t'	$\log t/t'$	s'
34200	2.53	5.01
8625	1.94	3.84
49.71	1.69	3.65
38.88	1.59	3.15
32.00	1.51	2.99
27.23	1.43	2.83
21.05	1.32	2.61
16.45	1.22	2.42
12.65	1.10	2.18
8.63	0.93	1.84
6.96	0.84	1.66
5.37	0.73	
4.41	0.64	
3.80	0.58	
3.36	0.52	1.03
1.17	0.07	

Plot s' vs t/t'

PRELIMINARY SUBJECT TO REVISION

Page 11/15

P2 lower pilot
: Prelim. Recovery test :

(t)	(t')	(t/t')	(s)	(s')	(s-s')
341	101	∞	826	8.26	= 0
342	1	342.00		4.22	
345	4	86.25		2.~~64~~	(2.64)
348	7	49.71		2.29	
350	9	38.88		1.99	
352	11	32.00		1.84	
354	13	27.23		1.68	
358	17	21.05		1.49	
362	22	16.45		1.25	
367	29	12.65		1.06	
371	43	8.63		0.80	
383	55	6.96		0.65	
403	75	5.37		0.49	
424	96	4.41		0.36	
445	117	3.80		0.28	
467	139	3.36		0.19	
~~8720~~ ~~7454~~ 8720	~~7454~~ ~~8720~~ 7454	1.17		0.07	

$$T = \frac{264\ Q}{\Delta s'}$$

$$Q_{ave} = \frac{\overset{1}{100} + \overset{1}{200} - \overset{2}{400} + \overset{1}{\cancel{460}}\ 50}{4} = \cancel{288}\ 310 \text{ gpm}$$

$$r = 50$$

~~Total Drawdown~~ = $\frac{310}{8.26}$ = 37.5 gpm/ft
SC
over total test

TIME SINCE DUMPING STARTED (t)	TIME SINCE DUMPING STOPPED (t')	Ratio (t/t')	RESIDUAL DRAWDOWN (s') feet	
121	1	[illegible]	21.0	
121½	1½	[illegible]	81.0	[illegible]
122	2	[illegible]	61.0	2.35
122½	2½	[illegible]	49.0	[illegible]
123	3	[illegible]	41.0	[illegible]
124	4	[illegible]	31.0	[illegible]
124½	4½	[illegible]	27.7	[illegible]
125	5	[illegible]	25.0	2.52
125½	5½	[illegible]	22.8	[illegible]
126	6	[illegible]	21.0	[illegible]
126½	6½	[illegible]	19.5	2.17
127	7	[illegible]	18.1	2.11
128	8	[illegible]	16.0	1.97
129	9	[illegible]	14.3	1.85
130	10	[illegible]	13.0	1.74
131	11	[illegible]	11.9	1.65
132	12	[illegible]	11.0	1.60
133	13	[illegible]	10.2	[illegible]
134	14	[illegible]	9.6	1.45
135	15	[illegible]	[illegible]	1.35
137	17	[illegible]	8.1	1.28
139	19	7.16	7.3	1.20
141	21	[illegible]	6.7	1.16
143	23	[illegible]	6.2	1.10
145	25	[illegible]	5.8	0.98
150	30	[illegible]	5.0	0.87
155	35	4.34	4.4	0.77
170	50	2.34	3.4	0.54
200	80	2.49	2.5	0.34

No. 1517-11

Page ___ of ___.

Date: ___.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P☐ Lowpilot

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Proffitt & Siems Datum: Top of Riser Casing.

Discharge of Pump: 100 gpm - 300 gallons per minute.

Static Water Level Before Pumping Began: 157.76 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/5/75 (Date).

Exact Time Pump Stopped: 1515 (Hours) on 9/5/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.		Water Level, in feet, below top of casing. (Δ)	Notes
9/2 10:30	—		157.76	NOTE: For the recovery period record time after pump stopped.
9/3 11:30	—		157.77	
9/4 0847	—		157.76	100 gpm = Q
9/5 0830	—		157.76	
0950	5		158.03 (.48)	
0953	8		158.37 (.61)	
0957½	12.5		158.41 (.65)	
0959½	14.0		158.41 (.65)	
1002½	17.0		158.45 (.69)	
1004½	19.0		158.45 (.69)	
1008½	23.0		158.46 (.70)	
1009½	24.0		158.46 (.70)	
1013½	28.0		158.47 (.71)	
1020½	35.0		158.53 (.76)	
1023½	38.0		158.54 (.77)	
1032	46½		158.59 (.83)	
1034	48		158.56 (.80)	
1036	50.0		158.58 (.82)	
1040	51.0		158.56 (.80)	
1045	59.0	0	158.56 (.80)	
1049	63.0	4	159.30 (1.54)	Q = 2[illegible] gpm
1050	64.0	7	159.39 (1.63)	

PRELIMINARY - SUBJECT TO REVISION

B. No. 1517-11
Page ___ of ___.
Date: ___.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. III

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level
Before Pumping Began: 157.76 feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on [illegible] (Date).

Exact Time Pump Stopped: [illegible] (Hours) on [illegible] (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.		Water Level, in feet, below top of casing.	Notes
1052	66	9	159.4[illegible]	NOTE: For the recovery period record time after pump stopped.
1053 ½	67½	10½	159.51	
1056 ½	70	13	159.55 (1.79)	
1058 ½	72	15	159.61 (1.85)	
1103 ½	79	22	[illegible] (1.85)	
1104 ½	80	23	159.65 (1.89)	
1109 ½	85	28	159.70 (1.94)	
1111 ½	87	30	159.71 (1.95)	
1113 ½	89	32	159.77 (2.01)	
1122 ½	98	41	[illegible] (2.01)	
1134 ½	110	53	[illegible] (2.09)	
1144 ½	120	63	[illegible] (2.09)	
1147 ½	[illegible]	3	161.70 (3.94)	Q = 400 gpm
1149 ½	[illegible]	5	[illegible]	
1151 ½	[illegible]	7	162.05 (4.29)	
1153 ½	[illegible]	9	[illegible]	
1155 ½	[illegible]	11	[illegible]	
1157 ½	[illegible]	13	[illegible]	
1159 ½	[illegible]	17	[illegible]	
1201 ½	[illegible]	19	[illegible] (4.73)	
1203 ½	[illegible]	21	[illegible] (4.7[illegible])	
1206 ½	[illegible]	23	[illegible] (4.7[illegible])	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page ___ of ___.

Date: ___.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. PII Low pilot

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level Before Pumping Began: 157.76 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/5/5 (Date).

Exact Time Pump Stopped: 1515 (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.		Water Level, in feet, below top of casing.	Notes
1212½	[illegible]	[illegible]	[illegible] (4.99)	NOTE: FOR the recovery period record time after pump stopped.
[illegible]	[illegible]	34	[illegible] (5.15)	
[illegible]	158	39	[illegible] (5.19)	
[illegible]	166	47 Δ	[illegible] (5.22)	
[illegible]	178	52	[illegible] (5.23)	} adj GPM
[illegible]	188	62	[illegible] (7.19)	
[illegible]	198		[illegible] (7.34)	
[illegible]	207		[illegible] (7.46)	
[illegible]	217		[illegible] (7.62)	
[illegible]	227		[illegible]	
[illegible]	237		[illegible]	
1345	239		[illegible]	Q = full capacity ~450 gpm
[illegible]	242		[illegible]	
1349	244		[illegible]	
[illegible]	248		[illegible]	
[illegible]	251		[illegible]	
1402	258		[illegible]	
[illegible]	268		[illegible] Anomalous	
1416	272		[illegible]	
[illegible]	277		[illegible]	
[illegible]	297		[illegible]	
[illegible]	337		[illegible]	

↓ RECOVERY

PRELIMINARY-SUBJECT TO REV

JOB. No. 1517-11

Page ___ of ___.

Date: ___.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

WELL NO. PII Inupilot

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

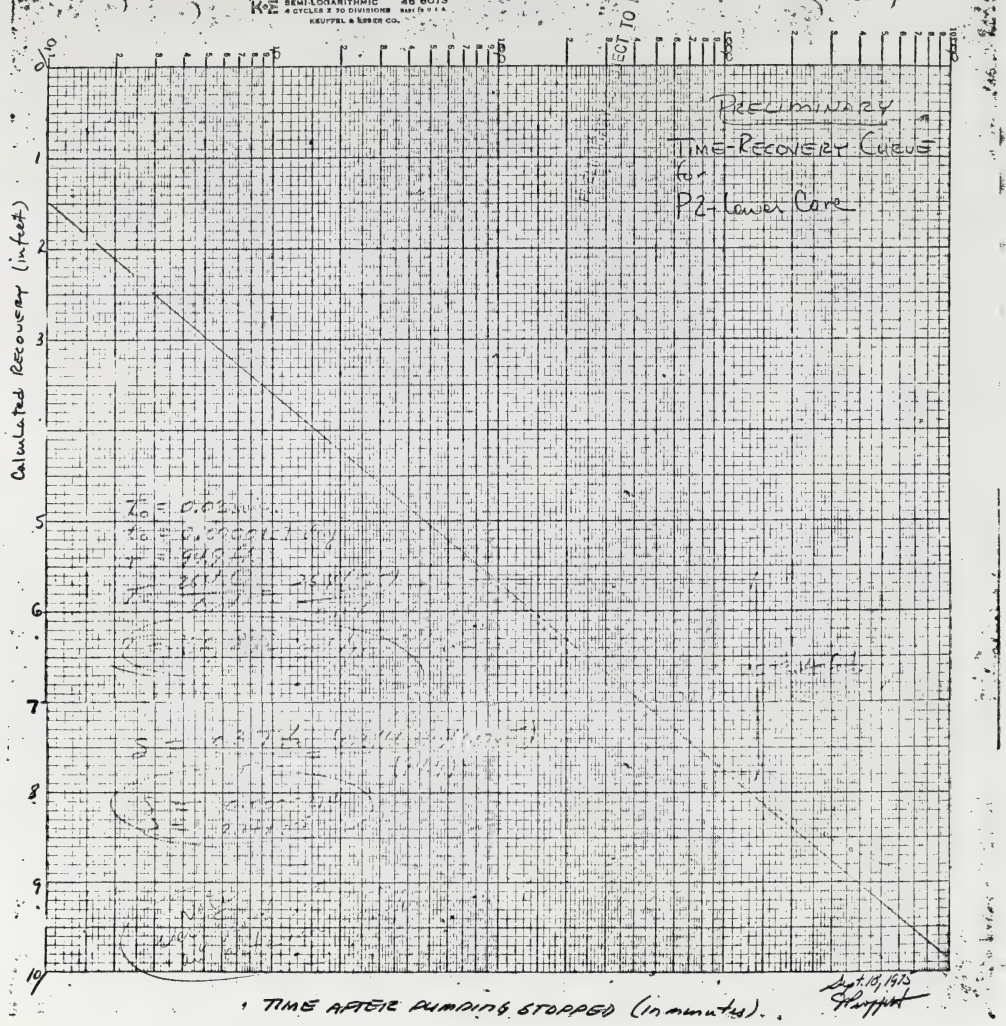
Static Water Level Before Pumping Began: [illegible] feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on 9/5/5 (Date).

Exact Time Pump Stopped: [illegible] (Hours) on 9/5/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (+Date)	Time Since Pump Started, in minutes.	Recovery	Water Level, in feet, below top of casing.	Notes
[illegible]	1	1342	[illegible]	NOTE: For the recovery period record time after pump stopped.
[illegible]	4	1345	[illegible]	
[illegible]	7	1348	[illegible]	
[illegible]	9	1350	[illegible] (1.99)	
1525	11	1352	[illegible]	
[illegible]	13	1354	[illegible]	
[illegible]	17	1358	[illegible]	
[illegible]	22	1362	[illegible] (1.25)	
[illegible]	29	1367	[illegible]	
[illegible]	43	1371	[illegible]	
[illegible]	55	1383	[illegible]	
1629	75	1403	[illegible]	
[illegible]	96	1424	[illegible]	
1711	117	1445	[illegible]	
1733	139	1467	[illegible] (0.19)	
9/6/5 - 1058	8720	7454	157.83	
9/7/5 - 1100	-	-	157.71	
9/9/5 - 1344	-	-	157.73	

PRELIMINARY - SUBJECT TO REVIEW

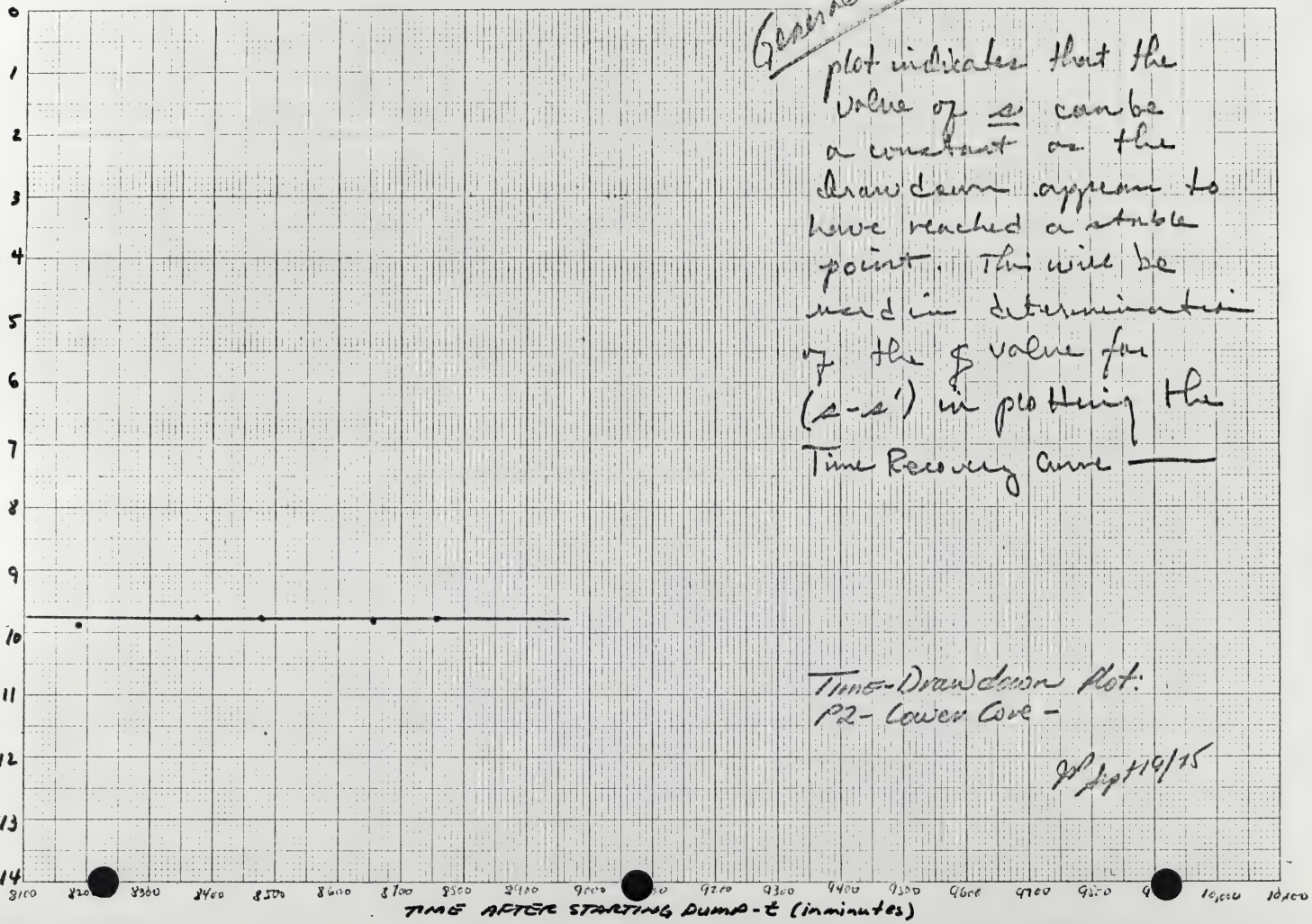

K&E SEMI-LOGARITHMIC 46 0115
4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO.
PRELIMINARY
TIME-RECOVERY CURVE
for
P2-Lower Core
Calculated Recovery (in feet)
TIME AFTER PUMPING STOPPED (in minutes).
Sept. 13, 1945

K+E 10 X 10 TO ½ INCH 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 1323

General Note

plot indicates that the value of s can be a constant as the drawdown appears to have reached a stable point. This will be used in determination of the s value for (s-s') in plotting the Time Recovery Curve



Time-Drawdown Plot:
P2 - Lower Cove -

JP Sept 19/75

K&E SEMI-LOGARITHMIC 46 6013
4 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.

WHITE RIVER OIL SHALE PROJECT

PRELIMINARY
RECOVERY CURVE
FOR
P2: Lower Core

$\Delta S' = 2.10$

AVG. PUMPING RATE = 545 gpm

$T = \frac{264\,Q}{\Delta S'} = \frac{264(545)}{2.10}$

$T = 65{,}652$ gpd/ft (approx)

Sept. 17, 1965

PIEZOMETER NO. P-2 [illegible]

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 545 GPM gallons per minute.

Static Water Level
Before Pumping Began: [illegible] feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on 9/17/75 (Date).

Exact Time Pump Stopped: 1000 (Hours) on 9/17/75 (Date).

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours	Time Since Pump Started, in minutes.		
844		163	0
0845.25	15 sec	[illegible]	1.25
0845.75	45	162.81	2.81
0846.00	75	[illegible]	3.01
0846.75	105	162.81	2.81
0847.25	135	162.63	2.63
0847.75	165	162.83	2.83
0848.25	[illegible]	[illegible]	2.93
0849	21	163.21	4.21
0850	51	163.42	4.42
0851	[illegible]	163.53	4.53
0852	7	163.69	4.69
0853	8	163.73	4.73
0854	9	163	5
0855	[illegible]	163.04	5.04
0857	[illegible]	163.25	5.25
[illegible]	[illegible]	163.37	5.37
[illegible]	[illegible]	163.56	5.56
[illegible]	[illegible]	163.69	5.69
[illegible]	[illegible]	163.77	5.77
[illegible]	[illegible]	[illegible]	6.01
0915	80	163.29	6.29

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P-2 [illegible] Core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 545 gallons per minute.

Static Water Level
Before Pumping Began: [illegible].00 feet below top of casing.

Exact Time Pump Started: [illegible] on [illegible].
(Hours) (Date)

Exact Time Pump Stopped: 1050 on 9/17/5.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
0920	35	164.41	6.41
0925	40	[illegible]	6.5
0930	45	164.62	6.62
[illegible]	55	164.81	6.81
0951	66	164.98	6.98
[illegible]	75	[illegible]	7.15
[illegible]	91	[illegible]	7.28
1033	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
1137	[illegible]	[illegible]	[illegible]
1201	196	[illegible]	
[illegible]	223	[illegible]	[illegible]
1304	259	[illegible]	8.05
1408	323	166.19	8.19
[illegible]	[illegible]	[illegible]	[illegible]
1601	436	[illegible]	
1658	493	166.35	8.35
1807	562	166.42	8.42
1904	[illegible]	[illegible].52	8.52
2000	625	[illegible]	8.59
2104	739	[illegible].60	8.6
2209	804	[illegible]	8.68

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P2-Inner Core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Simms & Proffitt Datum: Top of Riser Casing.

Discharge of Pump: 45 gallons per minute.

Static Water Level
Before Pumping Began: 15[illegible] feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on 9/1/15 (Date).

Exact Time Pump Stopped: 1050 (Hours) on 9/1/15 (Date).

	Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
	2304	959		8.68
9/1	0005	920		8.74
	[illegible]	1038	[illegible]	8.84
	0400	1163	[illegible]	5.74
	[illegible]	1275		8.96
	0802	1297	167.02	9.02
	1002	1517	167.04	9.04
	1202	1637	167.02	9.02
	1403	1758	166.99	8.99
	1603	1878	166.87	8.87
	1803	1998	166.88	8.88
	1957	2112	166.89	8.89
	2212	2247	[illegible]	8.98
9/13	[illegible]	[illegible]	[illegible]	9.02
	0205	2402	167.25	9.25
	0406	2601	167.14	9.14
	0608	2723	167.20	9.20
	0803	2838	167.22	9.22
	1006	2941	167.23	9.23
	1146	[illegible]	[illegible]	9.20
	1509	3014	167.18	9.18
	[illegible]	3091	167.15	9.15

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. [illegible]

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 45 ± gallons per minute.

Static Water Level Before Pumping Began: [illegible] feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on [illegible] (Date).

Exact Time Pump Stopped: 1050 (Hours) on 9/17/[illegible] (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
[illegible]	[illegible]	[illegible]	
2011	[illegible]	167.20	(9.2[illegible])
2158	3673	[illegible]	(9.22)
9/4 [illegible]	3814	[illegible]	(9.30)
0107	3862	[illegible]	(9.30)
0407	[illegible]	167.[illegible]	(9.39)
0602	4157	167.44	(9.44)
0802	4277	[illegible]	[illegible]
1005	4400	167.54	(9.54)
[illegible]	4525	167.58	(9.58)
[illegible]	4643	167.37	(9.37)
16:01	4756	167.90	(9.9) 109.19 TOW PZ U core
1815	4900	167.45	(9.45)
2006	5001	167.50	(9.5)
2229	5143	167.52	(9.[illegible])
9/5 0110	5205	167.57	([illegible])
0410	5485	167.61	9.61
0602	5597	167.72	9.72
0755	5710	167.79	9.79
1024	5859	167.[illegible]	9.68
1205	5960	167.72	9.72
1401	6076	167.64	9.64
1545	6180	167.63	9.63

110-81
10919

PRELIMINARY - SUBJECT TO REVISION

Stabilized

JOB. No. 1517-11
Page 5 of 8.
Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

WELL NO. P2 lower core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: 545 gallons per minute.

Static Water Level Before Pumping Began: [illegible] feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on [illegible] (Date).

Exact Time Pump Stopped: 1050 (Hours) on 9/15 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (9/Date)	Time Since Pump Started, in minutes.	Water Level, (↓) in feet, below top of casing.	Notes
[illegible]	6301	[illegible] (9.54)	NOTE: For the recovery period record time after pump stopped.
[illegible]	6405	167.61 (9.61)	
2247	6602	167.75 (9.75)	
9/16 [illegible]	6710	[illegible] (9.7[illegible])	
[illegible]415	6930	167.15 (9.78)	
0808	7163	[illegible] (9.8)	
[illegible]	7269	[illegible] (9.85)	
1344	7499	[illegible] (9.7[illegible])	
1544	7619	167.66 (9.66)	
1909	7804	167.65 (9.65)	
2210	[illegible]	[illegible] (9.7)	
9/17 [illegible]113	[illegible]	[illegible]	
0420	8375	[illegible]	
[illegible]	8477	[illegible]	
0902	8657	167.79	
1045	8760	167.78	
	BEGAN RECOVERY; SEE PAGE No. 6.		

PRELIMINARY - SUBJECT TO REVISION

Note

BASED ON CONDITIONS CONSIDERED TO INDICATE STABILITY HAD BEEN ATTAINED & THE LEVELS ON OUTLYING WELLS SUGGEST DRAWDOWN HAD REACHED THEM THE PUMP TEST WAS TERMINATED AND MONITORING OF RECOVERY CONDITIONS BEGAN. [illegible]

JOB. No. 1517-11

Page 6 of 8.

Date: —.

Recovery

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☑.

WELL NO. P2-lower core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Pollitz Sims Datum: Top of Riser Casing.

Discharge of Pump: — 0 — gallons per minute.

Static Water Level Before Pumping Began: 150.00 feet below top of casing.

Exact Time Pump Started: 0845 (Hours) on 9/11/5 (Date).

Exact Time Pump Stopped: 1050 (Hours) on 9/17/5 (Date).

Exact Time of Water-Level Measurement (continuous Time (t)) Time of Day, Hours (& Date)	Time Since Pump Stopped, in minutes (t')	Water Level, (s')* in feet, below top of casing.	Notes	CALC. RECY. s-s'	RATIO t/t'
9/17: 1050	0 (8765)	168.78 (9.78)	NOTE: For the recovery period record time after pump stopped.		
1050.5	1/2	166.58 (8.58)			
1050.75	3/4	165.00 (7.00)			
1051	1 (8766)	164.39 (6.39)	(165.0) -.61	2.78	8766
1051.5	1/2	163.95 (5.95)	-1.05		
1052	2 (8767)	163.65 (5.65)	-1.35	3.39	4383
1052.5	1/2	163.38 (5.38)	-1.62		
1053	3 (8768)	163.21 (5.21)	-1.79	4.57	2922.7
1053.5	1/2	163.05 (5.05)	-1.95		
1054	4 (8769)	162.94 (4.94)	-2.06	4.84	2192.3
1054.5	1/2	162.92 (4.92)	-2.08		
1055	5 (8770)	162.69 (4.69)	-2.31	5.09	1754
1055.5	1/2	162.62 (4.62)	-2.38		
1056	6 (8771)	162.54 (4.54)	-2.46	5.24	1461.2
1056.5	6 1/2	162.46 (4.46)	-2.54		
1057.	7 (8772)	162.38 (4.38)	-2.62	5.4	1253.
1057.5	7 1/2	162.31 (4.31)	-2.69		
1058	8 (8773)	162.27 (4.27)		5.51	1096.
1058.5	8 1/2	162.20 (4.20)	-2.80		
1059.	9 (8774)	162.14 (4.14)	-2.86	5.64	974.9
1059.5	9 1/2	162.07 (4.07)	-2.97		
1100.	10 (8775)	162.05 (4.05)	-2.95	5.73	877.5

PRELIMINARY - SUBJECT TO REVISION

*(s') = residual recovery

Recovery

PIEZOMETER NO. P2 Lower Core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Griffith & Stevens Datum: Top of Riser Casing.

Discharge of Pump: -0- gallons per minute.

Static Water Level Before Pumping Began: 15800 feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on 9/11/5 (Date).

Exact Time Pump Stopped: 1050 (Hours) on 9/17/5 (Date).

Exact Time of Water-Level Measurement (t) Time of Day, Hours	Time Since Pump ~~Started~~ Stopped, in minutes (t')	Water Level, (s')* in feet, below top of casing.	Notes	Calculated Recovery s-s'	Ratio t/t'
1101	11 (8776)	161.93 (3.93)		5.85	797.8
1102	12 (8777)	161.88 (3.88)		5.80	731.4
1103	13 (8778)	161.80 (3.80)		5.98	675.2
1104	14 (8779)	161.72 3.72		6.06	627.1
1105	15 (8780)	161.66 (3.66)		6.12	585.3
1106	16 (8781)	161.59 (3.59)		6.19	548.8
1107	17 (8782)	161.52 (3.52)		6.28	516.6
1108	18 (8783)	161.49 (3.49)		6.29	437.9
1109	19 (8784)	161.42 (3.42)		6.36	462.3
1110	20 (8785)	161.37 3.37		6.41	439.3
1115	25 (8790)	161.16 (3.16)		6.62	351.6
1120	30 (8795)	160.98 (2.98)		6.80	293.2
1125	35 (8800)	160.90 2.90		6.88	251.4
1130	40 (8805)	160.75 (2.75)		7.03	220.1
1135	45 (8810)	160.67 (2.67)		7.11	195.8
1200	70 (8835)	160.35 (2.35)		7.43	126.4
1225	95 (8860)	160.08 (2.08)		7.70	93.4
1250	120 (8885)	159.92 (1.92)		7.86	74.1
1327	157 (8922)	159.72 (1.72)		8.06	56.9
1427	217 (8982)	159.47 (1.47)		8.31	42.8
1540	290 (9055)	159.30 (1.30)		8.48	31.9
1701	371 (9136)	159.14 (1.14)		8.64	25.3

*(s') residual recovery

PRELIMINARY - SUBJECT TO REVISION

RECOVERY

PIEZOMETER NO. P2-lower core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Proffitt & Siems Datum: Top of Riser Casing.

Discharge of Pump: — 0 — gallons per minute.

Static Water Level Before Pumping Began: 158.00 feet below top of casing.

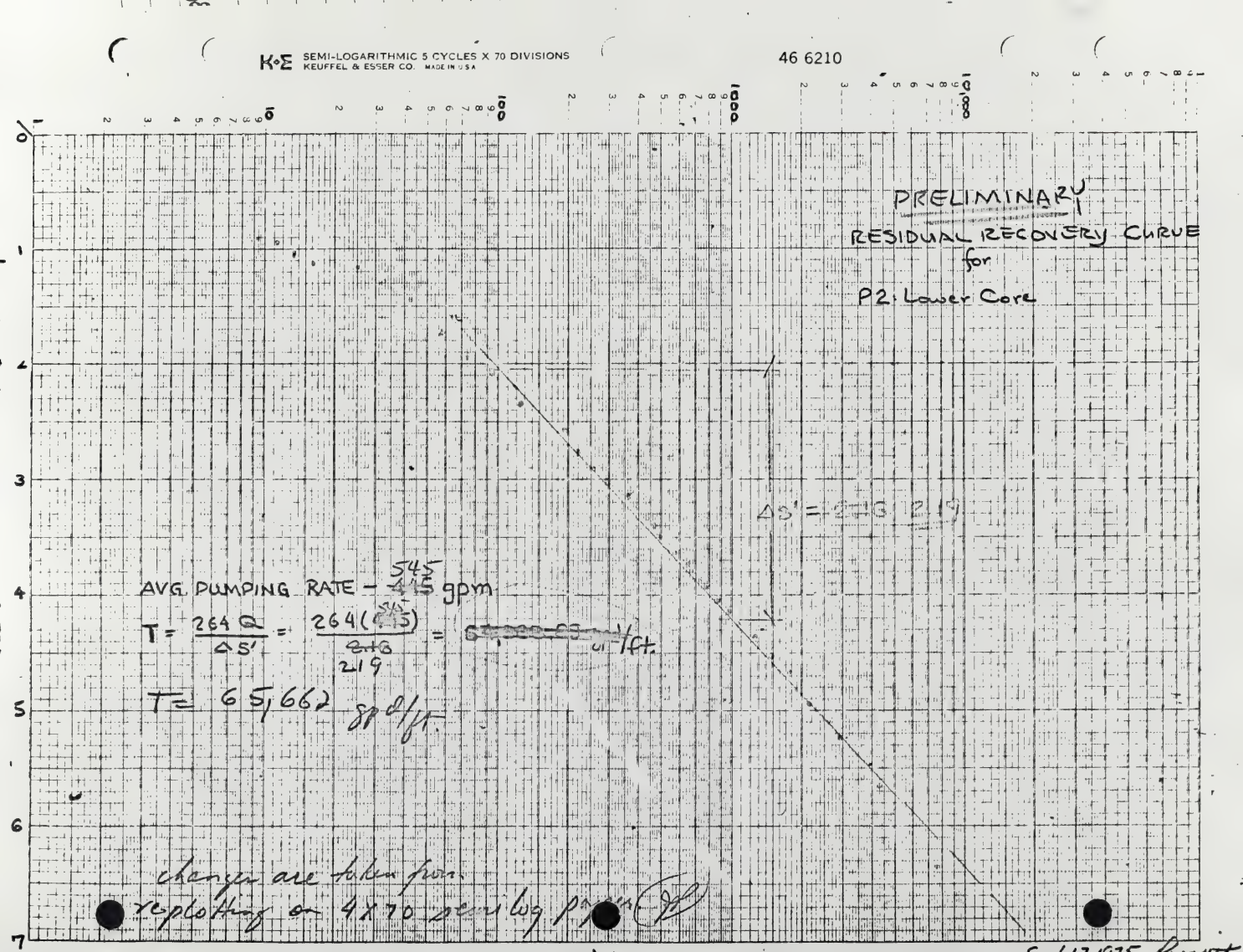
Exact Time Pump Started: 0845 (Hours) on 9/11/5 (Date).

Exact Time Pump Stopped: 1050 (Hours) on 9/17/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	(t') Time Since Pump ~~Started~~ Stopped, in minutes. t	Water Level, (s') in feet, below top of casing.	Notes S-S'	S=4.79 Calc Recovery	RATIO t/t'
1924	514 (9273)	159.11 (1.11)		8.67	16.3 (8.
2121	631 (9396)	[illegible]		8.77	13.7 (14.
2217	808 [illegible]	[illegible]		8.82	11.1 (11.
[illegible]	1210 [illegible]	59.[illegible]		8.86	9.1 (8.2
1302	1570 (10337)	158.92 (0.92)		8.86	7.2 (6.

PRELIMINARY - SUBJECT TO REVISION

* (s') [illegible]


K+E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 6210
PRELIMINARY
RESIDUAL RECOVERY CURVE
for
P2: Lower Core
ΔS' = 2.16 2.19
AVG. PUMPING RATE – ~~445~~ 545 gpm
T = 264 Q / ΔS' = 264(545) / ~~2.16~~ 2.19 = ~~[illegible]~~ gpd/ft.
T = 65,662 gpd/ft.
changes are taken from
replotting on 4 x 70 semilog paper

P2 lower core

Prelim. Rec. Test

(t)	(t')	(t/t')	s
1+343	2	171.5	2.35
345	4	86.25	2.59
348	7	49.7	2.28
350	9	38.9	2.03
352	11	32	1.91
356	15	23.7	1.61
359	18	19.9	1.50
362	21	17.2	1.39
371	30	12.4	1.19
385	44	8.8	.78
397	56	7.1	.55
416	75	5.5	.5
439	98	4.5	.36
459	118	3.9	.23
481	140	3.4	.15

Total Dd = 6.94'

Qave = 310

SC = 44.7 gpm/ft
over total test

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P2 lower core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: ([illegible] gpm?) open discharge gallons per minute.

Static Water Level Before Pumping Began: [illegible] feet below top of casing.

Exact Time Pump Started: [illegible] on 9/[illegible].
(Hours) (Date)

Exact Time Pump Stopped: [illegible] on 9/[illegible]/75.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1300		153.[illegible]	[illegible]
	[illegible]	153.[illegible]	.71
	4 min	160.[illegible]	2.4
	1	161	2.88
	2	161.29	3.17
	2½	[illegible]	3.57
	3 min	161.92	3.8
	3½	162.[illegible]	3.94
	4 min	162.19	4.07
	4½	162.31	4.19
	5	162.42	4.3
	5½	162.5	4.38
	6	162.56	4.44
1337.5	7	162.71	4.59
1338.5	8	162.83	4.71
1339.5	9	163	4.88
1340.5	10	163.04	4.92
1341.5	11	163.17	5.05
1342.5	12	163.25	5.13
1343.5	13	163.33	5.21
1344.5	14	163.4	5.28
1345.5	15	163.46	5.34

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P2 lower core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level Before Pumping Began: [illegible] feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on [illegible] (Date).

Exact Time Pump Stopped: 1520 (Hours) on 9/[illegible] (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1346	16	163.54	5.42
1347.5	17	163.61	5.49
1348.5	18	163.65	5.53
1349.5	19	163.71	5.59
1350.5	20	163.75	5.63
1352.5	22	163.83	5.71
1354.5	24	163.94	5.82
	26	164.05	5.93
59.5		164.15	6.03
1402.5		164.23	6.13
1404		164.31	[illegible]
1406		164.43	6.3
1408		164.47	6.35
1410		164.5	6.38
1415		[illegible]	6.50
1421.5		164.75	6.63
1426		164.87	6.75
1428		[illegible]	6.95
1459		165.28	
1526		165.53	[illegible]
1530.15	15 sec	162.42	5.3
1530.45	45 sec	162.37	4.25

PRELIMINARY - SUBJECT TO REVISION

PIEZOMETER NO. P2 lower core

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level Before Pumping Began: 158.12 feet below top of casing.

Exact Time Pump Started: [illegible] on [illegible].
(Hours) (Date)

Exact Time Pump Stopped: 1530 on 9/8/75.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours	Exact Time of Water-Level Measurement: Time Since ~~Pump~~ Recovery Started, in minutes.	Water Level, in feet, below top of casing.	Notes
1531.75	45	161.75	3.63
1532.15	2 15	161.33	3.21
1533	3	161.02	2.9
[illegible]	[illegible]	160.92	2.8
1533.75	[illegible]	160.79	2.67
1534.3	[illegible]	160.63	2.51
1535	5	160.56	2.44
[illegible]	6	[illegible]	2.3
1537	7	[illegible].21	2.09
1538	[illegible]	160.08	1.96
1539	9	159.96	1.84
1541	11	159.79	1.67
1542	12	159.62	1.5
1545	15	159.5	1.38
1547	17	159.4	1.28
[illegible]	[illegible]	[illegible]	1.14
1551	21	159.33	1.11
1553	23	[illegible]	1.05
[illegible]	[illegible]	[illegible]	.88
1606	36	[illegible]	
[illegible]	50	158.62	.50
1643	73	[illegible]	.34

PRELIMINARY - SUBJECT TO REVISION

-2.27 -10

110
2.77
10773

PIEZOMETER NO. R2-Lower pilot

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Siems & Pirofitt Datum: Top of Riser Casing.

Discharge of Pump: 550 gpm gallons per minute.

Static Water Level Before Pumping Began: 157.65 feet below top of casing.

Exact Time Pump Started: 0145 (Hours) on 9/11/5 (Date).

Exact Time Pump Stopped: _____ (Hours) on _____ (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
0609	2724	168.35 (10.70)	
0802	2839	168.39 (10.74)	
1004	2959	168.43 (10.78)	
1145	[illegible]	[illegible] (10.75)	
1508	[illegible]	168.33 (10.68)	
1707	3292	168.35 (10.7[illegible])	
[illegible]	[illegible]	[illegible] (10.72)	
2010	[illegible]	168.39 (10.74)	
2156	3671	168.[illegible] (10.[illegible])	
9/14 0217	3812	[illegible] (10.85)	
0106	3861	168.5[illegible] (10.85)	
0415	4040	[illegible] (10.95)	
0602	4159	168.65 (11.0[illegible])	
0804	4279	168.69 (11.04)	
1002	4397	168.69 (11.04)	
1209	4524	168.63 (10.98)	
1406	4641	168.58 (10.9[illegible])	
1602	4757	168.52 (10.[illegible])	
1812	4887	168.64 (10.99)	
2002	4997	168.68 ([illegible])	
2[illegible]	5141	[illegible] (11.1)	
9/15 0106	5301	168.84 (11.19)	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 5 of 7.

Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P2-[illegible]

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level Before Pumping Began: 157.15 feet below top of casing.

Exact Time Pump Started: [illegible] (Hours) on [illegible] (Date).

Exact Time Pump Stopped: 1050 (Hours) on 9/17/15 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
[illegible]	[illegible]	[illegible]	NOTE: For the recovery period record time after pump stopped.
[illegible]	5597	[illegible] (11.3)	
0758	5713	[illegible] (11.32)	
[illegible]	[illegible]	[illegible] (11.34)	
1204	5951	168.97 (11.32)	
1406	[illegible]	[illegible] (11.26)	
1545	[illegible]	168.88 (11.22)	
1741	[illegible]	[illegible] (11.14)	
[illegible]	[illegible]	[illegible]	
2246	6601	[illegible]	
[illegible]	6711	[illegible] (11.31)	
0511	6126	[illegible] (11.4)	
0511	7166	[illegible] (11.42)	
[illegible]	7270	[illegible] (11.5)	
[illegible]	7498	[illegible] (11.31)	
1543	7618	168.92 (11.22)	
1908	7833	168.95 (11.3)	
2211	8006	[illegible] (11.32)	
0112	8187	[illegible] (11.44)	
0413	8382	169.04 (11.39)	
0606	8479	169.01 (11.36)	
0900	8655	169.10 (11.45)	
1044	8759	169.09 (11.44)	

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page 6 of 7.

Date: —.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST:

WELL NO. P2-lower pitot (check one) PUMP ☐ RECOVERY ☒.

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: [illegible] Datum: Top of Riser Casing.

Discharge of Pump: [illegible] gallons per minute.

Static Water Level Before Pumping Began: 157.65 feet below top of casing.

Exact Time Pump Started: 0845 (Hours) on 9/11/5 (Date).

Exact Time Pump Stopped: _____ (Hours) on 9/17/5 (Date).

S' = 157.65 from WL
S - S' = 11.44 - S'

Exact Time of Water-Level Measurement (t) Time of Day, Hours (& Date)	Time Since Pumping Stopped, in minutes (t')	Water Level, (s') in feet, below top of casing.	Ratios t/t'	Notes (S = 11.44) Calc. Recovery
1050	( )	165.43 (7.83)		NOTE: For the recovery period record time after pump stopped.
[illegible]	(8766)	163.75 (6.10)		
1516	( )	163.53 (5.[illegible])	8766	5.34
[illegible]	(8767)	163.04 (5.39)	4383.5	6.05
[illegible]	( )	162.83 (5.13)		
[illegible]	(8768)	162.62 (4.[illegible])	2923	6.47
[illegible]	( )	162.52 (4.87)		
[illegible]	(8769)	162.37 (4.72)	2192	6.72
[illegible]	( )	162.27 (4.[illegible])		
	(8770)	162.18 (4.53)	1754	6.91
	(8771)	162.02 (4.[illegible])	1461	7.07
[illegible]	(8772)	161.86 (4.21)	1253	7.23
[illegible]	(8773)	161.77 (4.12)	1097	7.32
	(8774)	161.67 (4.02)	945	7.42
	(8775)	161.57 (3.92)	877.5	7.52
1100	(8777)	161.40 (3.75)	731.4	7.69
[illegible]	(8779)	161.25 (3.6[illegible])	627.1	7.84
1106	(8781)	161.13 (3.[illegible])	548.8	7.96
[illegible]	(8783)	160.98 (3.[illegible])	487.9	8.11
1112	(8785)	160.90 (3.[illegible])	439.3	8.19
[illegible]	(8787)	160.81 (3.16)	399.4	8.28
11[illegible]	(8789)	160.74 (3.[illegible])	366.2	8.35

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11
Page 1 of 1.
Date: 7.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. P2-Lower pilot
DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☑

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: Proffitt & Stearns Datum: Top of Riser Casing.

Discharge of Pump: 5[illegible] gallons per minute.

Static Water Level Before Pumping Began: 157.65 feet below top of casing.

Exact Time Pump Started: 0945 (Hours) on 9/11/5 (Date).

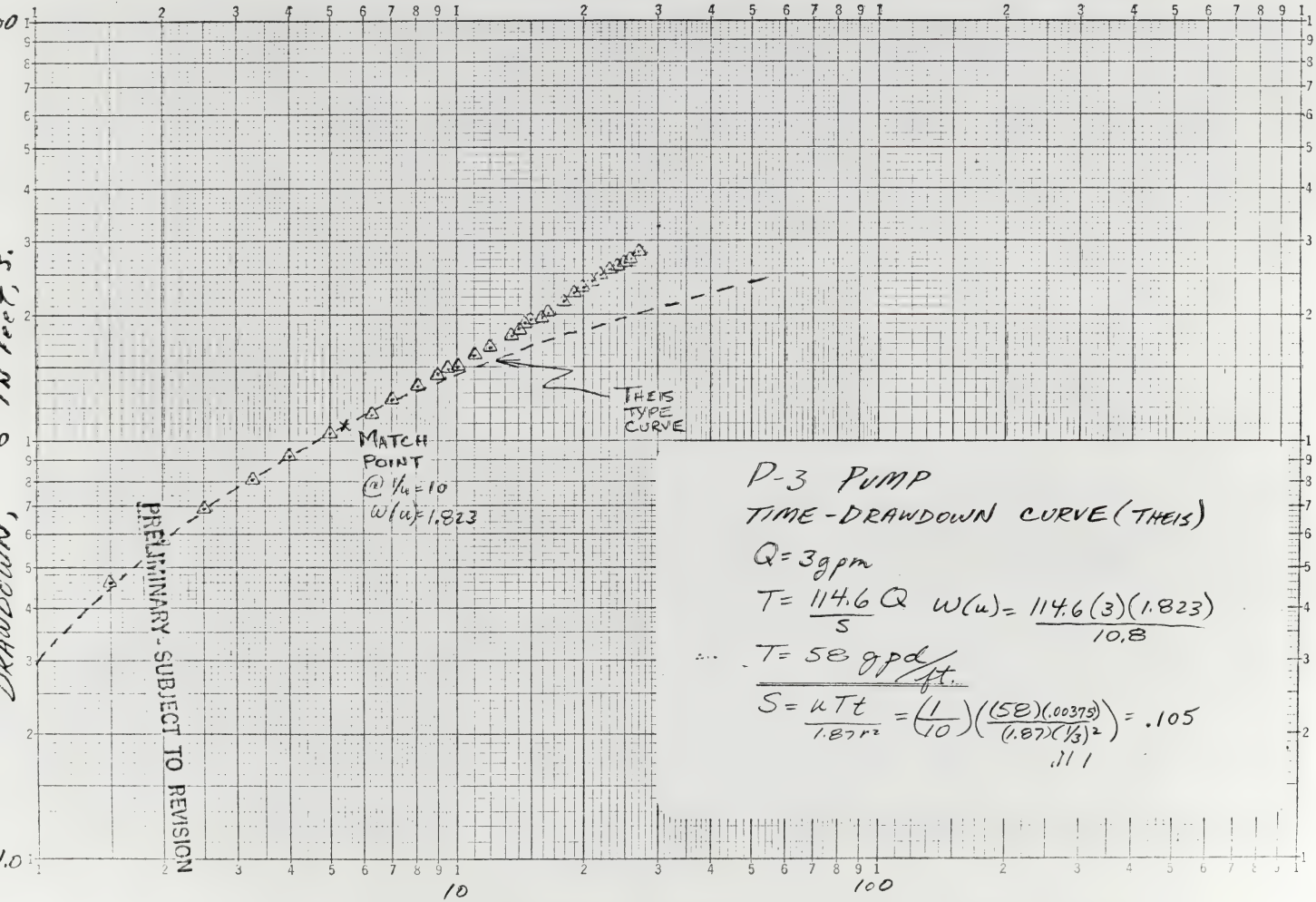
Exact Time Pump Stopped: 1050 (Hours) on 9/17/5 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (Date)	Time Since Pumping Started, in minutes (t)		Water Level, (s') in feet, below top of casing.		Ratio t/t'	Notes	Calc. Recovery s-s'
[illegible]	(8791)	[illegible]	160.69	(3.04)		NOTE: For the recovery period record time after pump stopped.	
1117	(8794)	[illegible]	160.58	(2.93)			
[illegible]	(8800)	[illegible]	160.42	(2.76)	320		8.4'
[illegible]	(8805)	[illegible]	160.35	(2.7)	303		8.51'
[illegible]	(8815)	[illegible]	160.17	(2.52)	251		8.66'
1152	(8827)	62	160.00	(2.35)	220		8.74'
1204	(8859)	94	159.70	(2.05)	176		8.92'
1248	(8883)	118	159.58	(1.93)	-142'		9.09'
1306	(8921)	156	[illegible]	(1.71)	-94'		9.39'
1420	(8981)	216	159.15	(1.5)	-75'		9.51'
1529	(9054)	291	[illegible]	(1.3)	-57'		9.73'
1700	(9135)	370	[illegible]	(1.12)	-41.6'		9.94'
1922	(9277)	512	158.09	(1.04)	-31'		10.14'
[illegible]	(9392)	630	[illegible]	(1.03)	-25'		10.27'
9/18 0017	(9572)	807	15[illegible]	(1.03)	-18'		10.4'
0702	(9977)	1212	158.60	(.95)	-14.9'		10.41
1300	(10335)	1572	158.60	(.95)	-11.9'		10.46
9/19 0740	( )		158.67	( )	-8.2'		10.[illegible]
	( )			( )	-6.6'		10.49+
	( )			( )			
	( )			( )			
	( )			( )			

PRELIMINARY - SUBJECT TO REVISION

Out of
order
3/22/2010

K+E LOGARITHMIC 2 X 3 CYCLES 46 7323 MADE IN U.S.A. KEUFFEL & ESSER CO.



P-3 PUMP

TIME-DRAWDOWN CURVE (THEIS)

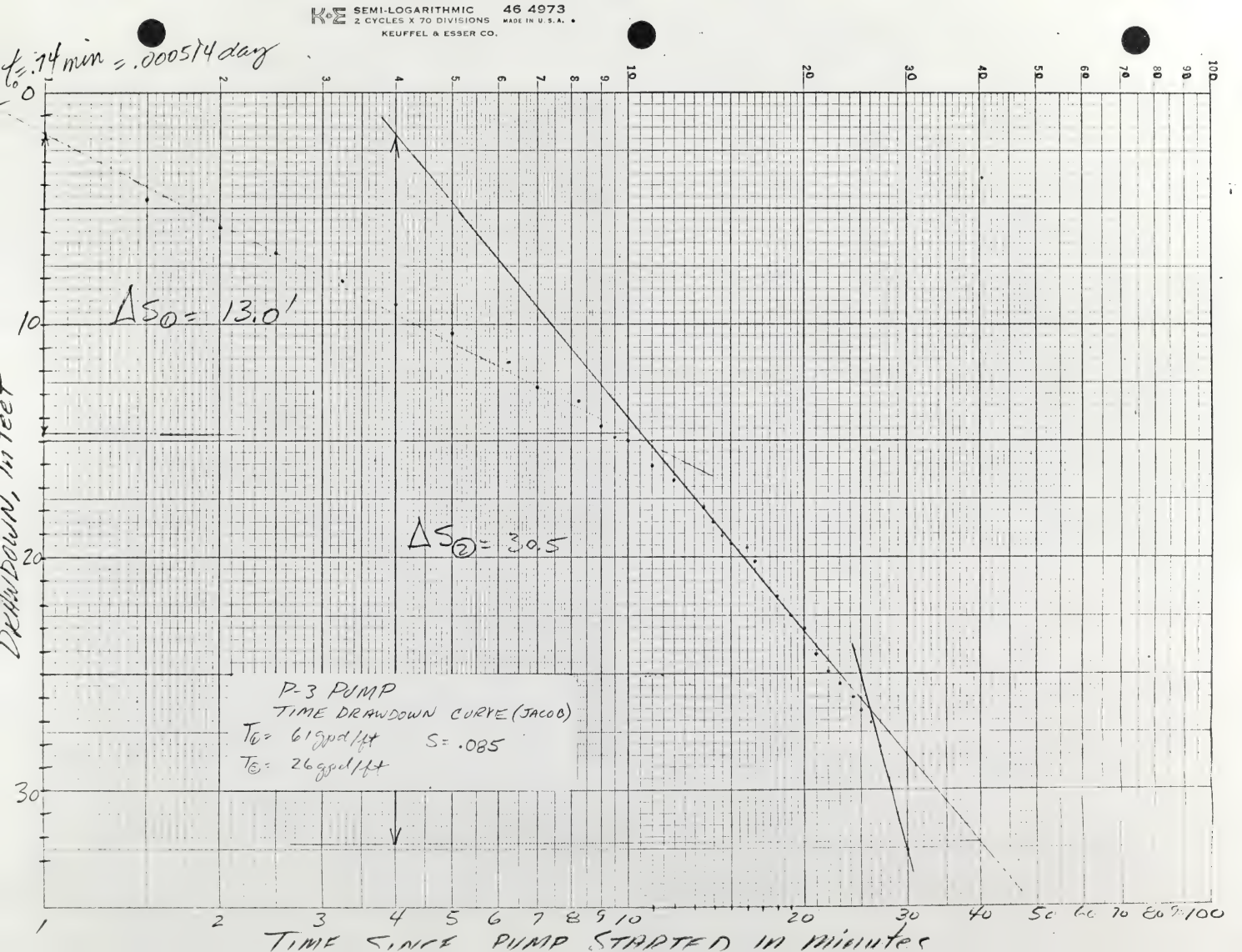
$Q = 3\,gpm$

$T = \frac{114.6\,Q}{s} W(u) = \frac{114.6(3)(1.823)}{10.8}$

$\therefore T = 58\ gpd/ft.$

$S = \frac{uTt}{1.87r^2} = \left(\frac{1}{10}\right)\left(\frac{(58)(.00375)}{(1.87)(1/3)^2}\right) = .105$

.111


K+E SEMI-LOGARITHMIC 46 4973
2 CYCLES X 70 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.
t_0 = .14 min = .000514 day
$\Delta S_{①}$ = 13.0'
$\Delta S_{②}$ = 3.0.5
P-3 PUMP
TIME DRAWDOWN CURVE (JACOB)
$T_{①}$ = 61 gpd/ft S = .085
$T_{②}$ = 26 gpd/ft
DRAWDOWN, IN FEET
TIME SINCE PUMP STARTED IN minutes

Page 1 of ___.
Recorded by: JW Thirkston.

Stage of Test (check one)
☒ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING
DISCHARGE OF PUMP: 3 gallons per minute.
STATIC WATER LEVEL DEPTH: 496.2 feet.
EXACT TIME PUMP STARTED: 1415 (HOURS) ON 8/15/75 (DATE).
EXACT TIME PUMP STOPPED: 1445 (HOURS) ON 8/15/75 (DATE).

EXACT TIME		PUMPING DATA		RECOVERY DATA				
since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAWDOWN, s, feet.	RATIO t/t'	RESIDUAL DRAWDOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
1½			4.6					
2			5.8					
2½			6.9					
3¼			8.1					
4			9.2					
5			10.4					
6¼			11.6					
7			12.7					
8¼			13.3					
9			14.4					
9½			14.8					
10			15.0					
11			16.1					
12			16.7					
13½			17.9					
14			18.5					
14½			19.1					
15			19.4					
16			19.6					
16½			20.2					
18			21.7					
19			22.5					
20			23.1					
21			24.2					
22			24.9					
23			25.4					

PRELIMINARY - SUBJECT TO REVISION

Page 2 of ___.
Recorded by: JW Thackston.

Stage of Test (check one
☐ PUMP
☐ RECOVERY

AQUIFER PUMP TEST
BASIC DATA SHEET

WATER LEVEL MEASUREMENT DATUM: TOP OF CASING.
DISCHARGE OF PUMP: 3 gallons per minute.
STATIC WATER LEVEL DEPTH: 196.2 feet.
EXACT TIME PUMP STARTED: 1415 (HOURS) ON 8/15/75 (DATE).
EXACT TIME PUMP STOPPED: 1445 (HOURS) ON 8/15/75 (DATE).

EXACT TIME			PUMPING DATA		RECOVERY DATA				
f y ck)	since pump started, t, minutes.	since pump stopped, t', minutes.	WATER LEVEL DEPTH, feet.	DRAW-DOWN, s, feet.	RATIO t/t'	RESIDUAL DRAW-DOWN, s', feet.	DRAWDOWN FROM EXTENDED DRAWDOWN CURVE, s, feet	CALCULATED RECOVERY (s-s'), feet	NOTES
	24¼			26.0					
	25			26.6					
	26			27.1					
	27			28.2					
	30			32.6					

PRELIMINARY - SUBJECT TO REVISION

JB. No. 1517-11

Page 1 of ___.

Date: 8/15/75

WHITE RIVER S..ALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☑ RECOVERY ☐.

WELL NO. P-3 PUMP

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / LM Datum: Top of Riser Casing.

Discharge of Pump: 3 gallons per minute.

Static Water Level Before Pumping Began: 15.5 psi × 2.31 = 35.80 496.2' feet below top of casing.

Exact Time Pump Started: 1415 (Hours) on 8/15/75 (Date).

Exact Time Pump Stopped: 1445 (Hours) on 8/15/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes (532 − 494 = 38)
8/14 1700	—	494.9'	NOTE: For the recovery period record time after pump stopped.
		Gage: READING / WATER LEVEL	
1415	1½	13.5	END OF AIR LINE IS AT 532.0' BTOC.
	2	13	
	2½	12.5	
	3¼	12	
	4	11.5	
	5	11	pumped air till now & fill pipe
	6¼	10.5	
	7	10	
	8¼	9.75	3 gpm
	9	9.25	
	9½	9.10	5 hr − 15 min
	10	9.0	3 gpm
	11	8.5	1932 − 1445
	12	8.25	
	13½	7.75	240 − 47 = 387
	14	7.5	3 gpm
	14½	7.25	
	15	7.1	
	16	7.0	
	16½	6.75	3 gpm

PRELIMINARY - SUBJECT TO REVISION

Job. No. 1517-11

Page 2 of ___.

Date: 8/15/75

WHITE RIVER SAL'ALE PROJECT
AQUIFER TESTING

STAGE OF TEST:

WELL NO. P-3 Pump 2 (Check one) PUMP ☑ RECOVERY ☑

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT/DM Datum: Top of Riser Casing.

Discharge of Pump: 3 gpm gallons per minute.

Static Water Level Before Pumping Began: 496.2 feet below top of casing.

Exact Time Pump Started: 1415 (Hours) on 8/15 (Date).

Exact Time Pump Stopped: 1445 (Hours) on 8/15 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (~~Date~~)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing. GAGE READING / WATER LEVEL	Notes
			NOTE: For the recovery period record time after pump stopped.
1433	18	6.1	3 gpm
	19	5.75	
	20	5.5	
	21	5.0	
	22	4.7	
	23	4.5	
	24 1/4	4.25	
	25	4.0	3 gpm
	26	3.75	water level in well is lowering very close to pump intake.
	27	3.30	
	30	1.40	
PUMP STOPPED 1445	4 1/2	2.0 ✓	Recovery here probably initially due to water flowing back down the pipe.
	5 1/2	2.0	
	7	2.25	
	9	2.50	Note: There are only 4 divisions on air gauge between 0-5 psi.
	13	4.0	
	15	4.5	
	16 1/2	4.6	
	20	5.1	
	22	5.5	
	23	5.6	

PRELIMINARY-SUBJECT TO REVISION

JOB. No. 1517-11

Page 3 of ___.

Date: 8/15/75

WHITE RIVER S..ALE PROJECT
AQUIFER TESTING

STAGE OF TEST:

WELL NO. P-3 PUMP (Check one) PUMP ☐ RECOVERY ☑.

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM Datum: Top of Riser Casing.

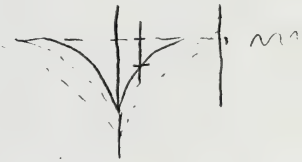
Discharge of Pump: 3 gallons per minute.

Static Water Level Before Pumping Began: 496.2 feet below top of casing.

Exact Time Pump Started: 1415 (Hours) on 8/15/75 (Date).

Exact Time Pump Stopped: 1445 (Hours) on 8/15/75 (Date).

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Exact Time of Water-Level Measurement: Time Since Pump Started, in minutes.	GAGE READING Water Level, in feet, below top of casing.	Notes
1512	27	6.1	NOTE: For the recovery period record time after pump stopped.
	29	6.5	
	32	6.75	
	38	7.75	Calvin left. He will get word from James and relay to JWT when James will be here with electric cable and pump pipe
	40	8.0	
	42	8.2	
	47	9.2	
	54	10.0	
	59	10.5	
	67	11.8	
	70	11.9	
	73	12.2	
	76	12.5	
	89	13.9	
	91	14.0	
	99	14.5	
1630	105	14.8	
	113	15.0	
	116	15.1	
	120	15.2	
	125	15.3	
	135	15.4	
	290	15.5	



P-3 P-1 P-2 P-3

F S S M T W T F S S M

P-1 JC

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page ___ of ___.

Date: ___.

WHITE RIVER SALE PROJECT
AQUIFER TESTING

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☐.

WELL NO. _____

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.		
			NOTE: For the recovery period record time after pump stopped.

PRELIMINARY-SUBJECT TO REVISION

JOB. No. 1517-11

Page ___ of ___.

Date: ___.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

WELL NO. G-7

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: JWT / DM Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement: Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.	Water Level, in feet, below top of casing.	Notes
3/14 1730	—	360.0	NOTE: For the recovery period record time after pump stopped.
NOTE: We tried to measure this well with steel tape but there is too much moisture in the well to make an accurate measurement.			There is a lot of oil & crud in this well in addition to the hung-up transducer cable; this continues to tangle up the probe cable and screw up the measurement. JWT

PRELIMINARY - SUBJECT TO REVISION

No further meas. to be taken — ....

JOB. No. 1517-11

Page ___ of ___.

Date: ___.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

STAGE OF TEST:
(Check one) PUMP ☐
RECOVERY ☐.

WELL NO. _____

DEEP AQUIFER PUMP TEST

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level
Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.		
			NOTE: For the recovery period record time after pump stopped.

PRELIMINARY - SUBJECT TO REVISION

JOB. No. 1517-11

Page ___ of ___.

Date: ___.

WHITE RIVER SHALE PROJECT
AQUIFER TESTING

WELL NO. _____

DEEP AQUIFER PUMP TEST

STAGE OF TEST: (Check one) PUMP ☐ RECOVERY ☐.

FIELD DATA SHEET - WATER-LEVEL MEASUREMENTS

Recorded by: _____ Datum: Top of Riser Casing.

Discharge of Pump: _____ gallons per minute.

Static Water Level Before Pumping Began: _____ feet below top of casing.

Exact Time Pump Started: _____ on _____.
(Hours) (Date)

Exact Time Pump Stopped: _____ on _____.
(Hours) (Date)

Exact Time of Water-Level Measurement		Water Level, in feet, below top of casing.	Notes
Time of Day, Hours (& Date)	Time Since Pump Started, in minutes.		
			NOTE: For the recovery period record time after pump stopped.

PRELIMINARY - SUBJECT TO REVISION

C. GROUND WATER

2. GROUND WATER QUALITY DATA

395500109124401 - (D-10-24)28DDB- 1 G-15

PROCESS DATE 10/08/75
DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS- SOLVED NITRITE (NO2) (MG/L) (71856)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS- SOLVED URANIUM (U) (UG/L) (80020)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
DEC., 1974							
11...	.00	<.1	5338	627	--	<16	5.2
MAY , 1975							
14...	--	.0	5338	627	--	<22	<5.5
14...	--	--	5338	627	--	--	--
JUNE							
25...	.07	.0	5338	627	1.3	<21	11

395500109124401 - (D-10-24)28DDB- 1 G-15

PROCESS DATE 10/08/75
DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)
DEC., 1974												
11...	250	1	<12	<25	6.5	.16	5.6	878	875	1.19	1.5	.00
MAY , 1975												
14...	470	0	--	--	<6.9	.10	2.8	1630	--	2.22	1.2	--
14...	450	--	<4	<10	--	--	--	--	--	--	--	--
JUNE												
25...	480	0	15	<12	14	<.40	--	1650	1980	2.24	1.2	.04

PROCESS DATE 10/08/75

395500109124401 - (D-10-24)28DDB- 1 G-15

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)
DEC., 1974												
11...	1	10	10	26	0	1500	.8	50	<20	0	<8	<20
MAY , 1975												
14...	1	10	2	8	0	530	.0	6	--	30	--	--
14...	<8	<5	80	<8	<1	700	<8.0	0	<8	80	<4	<10
JUNE												
25...	<10	8	95	<10	<1	720	<10	10	<12	400	<4	<12

395500109124401 - (D-10-24)28DDB- 1 G-15

PROCESS DATE 10/08/75
DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)
DEC., 1974												
11...	1.0	18	65	100	<10	<17	1200	0	<10	2	1	80
MAY , 1975												
14...	--	--	75	0	0	--	2000	0	0	1	1	210
14...	--	--	--	90	<2	<10	2000	0	<8	<8	8	130
JUNE												
25...	2.1	16	95	120	<2	<12	1200	0	<10	<10	10	280

395500109124401 - (D-10-24)28DDB- 1 G-15 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
DEC., 1974												
11...	.0	3.3	61	0	11	7.8	300	17	91	3.4	45	230
MAY , 1975												
14...	--	100	23	0	4.8	2.6	610	56	98	2.1	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
25...	--	340	16	0	1.9	2.6	630	70	99	1.9	140	250

395500109124401 - (D-10-24)28DDB- 1 G-15 DISTRICT CODE 49

WATER QUALITY DATA

DATE	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED ORTHO PHOSPHATE (P04) (MG/L) (00660)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
DEC., 1974												
11...	0	1200	2	1.2	.00	.00	1.5	.00	.21	.09	.07	7.6
MAY , 1975												
14...	207	1700	2	.95	--	--	1.6	--	--	.05	--	9.0
14...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
25...	171	2000	0	.96	.02	.01	1.8	.03	.25	.11	.08	7.2

395500109124401 - (D-10-24)28DDB- 1 G-15

PROCESS DATE 10/08/75
DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	AIR TEMPER-ATURE (DEG C) (00020)	INSTAN-TANEOUS FLOW RATE (GPM) (00059)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)
DEC., 1974												
11...	1310	752104	16.5	--	--	10	1270	43	8.4	3.2	417	508
MAY , 1975												
14...	1510	753394	18.5	27.0	5.8	40	2500	170	8.8	3.2	1050	860
14...	1515	753404	--	--	--	--	--	--	--	--	--	--
JUNE												
25...	1330	755084	17.6	--	--	--	2900	150	8.3	9.7	989	859

Made Primarily from Recycled Fibres

WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974						
27...	<.1	5500	540	--	<22	<3.5
DEC.						
12...	<.1	5500	540	--	<20	4.4
APR., 1975						
03...	.1	5500	540	--	--	--
03...	--	5500	540	1.3	31	4.9
MAY						
15...	--	5500	540	--	--	--
15...	.0	5500	540	--	--	--
15...	--	5500	540	1.2	<23	<13
JUNE						
25...	.0	5500	540	1.1	<15	<9.1
AUG.						
18...	--	5500	540	--	--	--

PROCESS DATE 10/08/75

395453109111001 - (D-10-24)26CDD- 2 P-3 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)
NOV., 1974												
27...	2	<20	<40	<4.1	.16	1.7	1350	1360	1.84	1.2	.04	.00
DEC.												
12...	2	<15	<30	5.3	.17	1.5	1390	1400	1.89	1.4	.00	.03
APR., 1975												
03...	0	--	--	--	--	--	1300	1310	1.77	.80	.04	.03
03...	--	--	--	5.6	<.40	--	--	--	--	--	--	--
MAY												
15...	--	<9	<30	--	--	--	--	--	--	--	--	--
15...	0	--	--	--	--	--	4010	3810	5.45	10	.00	.00
15...	--	--	--	<16	.46	--	--	--	--	--	--	--
JUNE												
25...	0	<4	<13	<11	<.40	--	1270	1270	1.73	.89	.00	.00
AUG.												
18...	--	<4	<20	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
NOV., 1974												
27...	0	6	42	0	1100	1.4	10	<30	0	<12	<30	530
DEC.												
12...	0	23	1	0	1100	.5	20	<23	0	<10	<23	550
APR., 1975												
03...	0	2	4	0	1000	.0	10	--	40	--	--	700
03...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
15...	<13	70	<20	<2	280	<13	30	<20	130	<9	<20	410
15...	10	12	2	0	200	5.5	20	--	40	--	--	420
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
25...	<9	35	<10	<1	1300	<10	10	<13	90	<4	<13	810
AUG.												
18...	<9	67	<9	<1	830	<9.0	1250	<9	110	<4	<9	640

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WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
NOV., 1974												
27...	14	52	<100	<10	<27	1400	0	<10	3	37	60	1
DEC.												
12...	14	4	<100	<10	<21	1300	0	<10	2	5	110	0
APR., 1975												
03...	13	65	<100	<10	--	2000	0	0	0	8	60	0
03...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
15...	--	--	25	<6	<20	33000	0	<20	<20	3	50	<20
15...	15	10	0	0	--	26000	0	0	0	3	120	4
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
25...	14	60	100	<2	<13	1100	0	<10	<10	10	120	<10
AUG.												
18...	--	--	60	<4	<9	1400	0	<9	<9	<2	350	<9

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WATER QUALITY DATA

DATE	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
NOV., 1974												
27...	18	46	0	4.4	8.2	490	32	96	2.1	31	310	2.0
DEC.												
12...	23	49	0	4.8	8.6	520	33	96	2.3	32	320	1.8
APR., 1975												
03...	68	33	0	3.6	5.5	450	35	97	2.0	34	400	3.5
03...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
15...	--	--	--	--	--	--	--	--	--	--	--	--
15...	48	8	0	.8	1.4	1500	234	100	5.4	330	220	4.6
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
25...	18	27	0	3.1	4.2	470	41	97	1.6	53	300	5.1
AUG.												
18...	--	--	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
NOV., 1974												
27...	1600	1	.94	.00	.01	2.5	.01	.09	.38	.03	32	.0
DEC.												
12...	1400	4	1.1	.01	.00	1.8	.00	.12	.14	.04	44	.0
APR., 1975												
03...	--	2	.62	.01	.01	1.4	.02	.00	.04	.00	13	--
03...	1800	--	--	--	--	--	--	--	--	--	--	--
MAY												
15...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	5	8.1	.00	.00	12	.00	.98	.45	.32	66	--
15...	1700	--	--	--	--	--	--	--	--	--	--	--
JUNE												
25...	1400	1	.69	.00	.00	3.3	.00	.09	.37	.03	25	--
AUG.												
18...	--	--	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
NOV., 1974												
27...	1030	--	752110	16.1	30	2050	140	8.2	9.7	785	957	0
DEC.												
12...	1350	--	752108	15.5	30	2000	71	7.4	61	787	959	0
APR., 1975												
03...	1331	505	--	14.5	40	1950	110	9.0	1.0	535	555	48
03...	1338	--	753095	--	--	--	--	--	--	--	--	--
MAY												
15...	1013	--	753427	--	--	--	--	--	--	--	--	--
15...	1014	530	--	16.9	30	>2000	320	10.1	.4	2750	1710	808
15...	1015	--	753431	--	--	--	--	--	--	--	--	--
JUNE												
25...	1630	--	755085	16.8	25	2050	170	8.7	2.6	655	663	67
AUG.												
18...	1035	--	760539	--	--	--	--	--	--	--	--	--

395359109093201 - (D-10-24)36DCD- 1 G-12

PROCESS DATE 10/03/75

DISTRICT CODE 49

WATER QUALITY DATA

DATE	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS- SOLVED URANIUM (U) (UG/L) (80020)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974					
19...	5331	50	24	83	19
DEC.					
17...	5331	50	--	<20	20

Formerly from Recycled Fibres

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WATER QUALITY DATA

DATE	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)
NOV., 1974												
19...	<17	<25	22	.10	--	3310	3080	4.50	.39	130	.23	.1
DEC.												
17...	<42	<90	23	.06	77	3290	3190	4.47	2.6	68	2.1	<.1

PROCESS DATE 10/08/75

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WATER QUALITY DATA

DATE	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)
NOV., 1974												
19...	260	6	<1	7700	6.4	20	<17	30	<6	<17	480	22
DEC.												
17...	240	2	0	5500	1.4	40	<65	0	<26	<65	510	15

WATER QUALITY DATA

DATE	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)
NOV., 1974												
19...	5	<100	<10	<17	6000	1	0	0	2	1200	0	140
DEC.												
17...	5	<100	<10	<60	16000	0	<10	3	1	610	4	120

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PROCESS DATE 10/08/75

DISTRICT CODE 49

WATER QUALITY DATA

DATE	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	SODIUM ADSORPTION RATIO (00931)	PERCENT SODIUM (00932)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED SILICA (SIO2) (MG/L) (00955)
NOV., 1974												
19...	1400	730	180	240	470	5.4	41	13	71	1500	1.8	23
DEC.												
17...	1100	190	100	210	700	9.1	57	11	100	1400	5.0	14

395359109093201 - (D-10-24)36DCD- 1 G-12

PROCESS DATE 10/08/75
DISTRICT CODE 49

WATER QUALITY DATA

DATE	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)
NOV., 1974												
19...	1	.30	.07	30	3.2	30	.12	1.4	.04	66	47	.0
DEC.												
17...	1	2.0	.65	15	7.7	16	.06	1.4	.02	59	3.4	.0

PROCESS DATE 10/08/75

395359109093201 - (D-10-24)36DCD- 1 G-12 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)
NOV., 1974												
19...	1600	--	10.3	20	3900	190	7.6	35	719	877	0	3600
DEC.												
17...	1430	752106	--	20	4200	210	--	--	927	1130	0	3500

WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974						
26...	.0	5362	70	6.4	<40	<9.0
DEC.						
10...	<.1	5362	70	--	<61	17
MAR., 1975						
12...	.0	5362	70	6.9	<71	18

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WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)
NOV., 1974												
26...	0	<25	<34	<10	.22	--	4510	4060	6.13	.55	.04	.00
DEC.												
10...	0	<50	<100	19	.24	6.1	4470	4310	6.08	.63	.00	.03
MAR., 1975												
12...	0	<25	<25	22	<.40	--	3470	3580	4.72	2.3	.00	.10

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WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
NOV., 1974												
26...	50	35	2	<1	3100	2.3	10	<22	10	<8	<22	100
DEC.												
10...	80	30	1	0	3200	.0	30	<75	10	<30	<75	130
MAR., 1975												
12...	10	0	2	1	2900	3.1	20	<25	<10	<12	<25	720

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WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
NOV., 1974												
26...	12	3	<100	<10	<22	4200	0	0	0	3	580	0
DEC.												
10...	12	1	<100	<10	<70	4100	0	<10	2	1	550	0
MAR., 1975												
12...	19	40	<100	<10	<25	7000	0	13	0	0	40	2

PROCESS DATE [illegible]/08/75

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WATER QUALITY DATA

DATE	DISSOLVED SULFIDE (S) (MG/L) (00746)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	SODIUM ADSORPTION RATIO (00931)	PERCENT SODIUM (00932)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED FLUORIDE (F) (MG/L) (00950)
NOV., 1974												
26...	.0	1100	590	160	160	960	13	66	8.9	66	2400	1.4
DEC.												
10...	.6	1100	640	160	170	1000	13	66	6.5	69	2600	1.8
MAR., 1975												
12...	180	810	370	76	150	870	13	70	4.0	390	1600	6.6

PROCESS DATE 10/08/75

395229109091201 - (D-11-25) 7DAC- 2 G-20 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
NOV., 1974												
26...	4700	1	.43	.00	.01	.88	.01	.09	.09	.03	9.8	18
DEC.												
10...	5000	2	.49	.01	.00	.80	.01	.09	.04	.03	27	.0
MAR., 1975												
12...	5200	7	1.8	.03	.00	2.2	.01	.67	.25	.22	17	--

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WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
NOV., 1974												
26...	1154	--	6.5	--	5	6100	39	7.8	15	472	576	0
DEC.												
10...	1255	752103	11.5	--	10	5100	62	--	--	468	570	0
MAR., 1975												
12...	1115	752877	10.5	.0	30	5500	260	7.8	14	443	540	0

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HASP-II***HASP-II......CONT JOB 864.....10.56.24 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II......CONT JOB 864.....10.56.24 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II......CONT JOB 864.....10.56.24 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II......CONT JOB 864.....10.56.24 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II......CONT JOB 864.....10.56.24 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II......CONT JOB 864.....10.56.24 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
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$*10.56.05 REMOTE155 STARTED ON LINE2

PROCESS DATE 10/08/75

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WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
NOV., 1974												
26...	4700	1	.43	.00	.01	.88	.01	.09	.09	.03	9.8	18
DEC.												
10...	5000	2	.49	.01	.00	.80	.01	.09	.04	.03	27	.0
MAR., 1975												

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DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
NOV., 1974												
26...	1154	--	6.5	--	5	6100	39	7.8	15	472	576	0
DEC.												
10...	1255	752103	11.5	--	10	5100	62	--	--	468	570	0
MAR., 1975												
12...	1115	752877	10.5	.0	30	5500	260	7.8	14	443	540	0

395226109091201 - (D-11-25) 7DAC-[illegible]1 G-13 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
NOV., 1974												
21...	1400	--	11.4	--	10	5500	44	7.8	14	465	567	0
DEC.												
10...	1230	752098	11.0	--	20	5500	52	--	--	467	569	0
FEB., 1975												
27...	1400	752673	8.0	--	8	4800	61	10.3	.0	103	63	31
MAR.												
12...	0945	752876	9.5	-5.0	20	5700	49	8.0	8.5	435	530	0

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WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
NOV., 1974												
21...	4700	2	.04	.03	.15	.75	.18	.00	.02	.00	21	.0
DEC.												
10...	5000	1	.06	.01	.07	.80	.08	.12	.01	.04	20	.0
FEB., 1975												
27...	4100	12	.20	.02	.13	1.5	.15	.03	.06	.01	58	--
MAR.												
12...	5100	4	.04	.02	.09	.57	.11	.09	.02	.03	6.9	--

WATER QUALITY DATA

DATE	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
NOV., 1974												
21...	.0	1100	650	150	180	1000	13	66	4.1	64	2600	1.0
DEC.												
10...	.2	1100	630	140	180	1000	13	67	5.1	66	2500	2.4
FEB., 1975												
27...	.1	680	580	92	110	930	16	74	16	60	2400	.4
MAR.												
12...	.1	1100	680	150	180	1000	13	66	8.9	65	2500	1.9

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DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
NOV., 1974												
21...	14	16	<100	<10	<23	4600	1	0	0	2	60	1
DEC.												
10...	13	10	<100	<10	<70	4700	0	<10	3	4	120	1
FEB., 1975												
27...	6.3	0	<100	10	<35	1200	0	0	0	30	50	0
MAR.												
12...	13	8	<100	<10	<25	4700	1	25	0	7	60	1

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WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
NOV., 1974												
21...	30	81	2	<1	3100	3.2	30	<23	0	<8	<23	150
DEC.												
10...	40	80	2	0	3200	.0	80	<75	0	<30	<75	180
FEB., 1975												
27...	70	63	2	0	1600	.2	7	<35	<10	<15	<45	130
MAR.												
12...	60	70	5	0	3000	.5	80	<25	<10	<12	<25	180

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WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)
NOV., 1974												
21...	2	<25	<35	27	.24	--	4590	4300	6.24	.05	.66	.10
DEC.												
10...	1	<50	<100	<12	.16	11	4570	4200	6.22	.08	.31	.03
FEB., 1975												
27...	2	<30	<60	<16	<.40	--	3960	3680	5.39	.26	.58	.07
MAR.												
12...	2	<25	<25	25	<.40	--	4640	4190	6.31	.05	.40	.07

395226109091201 - (D-11-25) 7DAC- 1 G-13

PROCESS DATE 10/08/75
DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974						
21...	.1	5362	29	19	<67	24
DEC.						
10...	<.1	5362	29	--	<45	<10
FEB., 1975						
27...	.0	5362	29	.06	<33	<13
MAR.						
12...	.1	5362	29	20	<69	20

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	AIR TEMPER-ATURE (DEG C) (00020)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
NOV., 1974												
26...	1400	752099	12.1	--	8	4500	210	8.4	6.3	817	876	59
DEC.												
10...	1030	752102	10.5	--	E50	4300	250	--	--	820	1000	0
MAR., 1975												
11...	1000	752875	10.0	6.0	20	5520	44	7.8	15	472	575	0

395035109074001 - (D-11-25)21CCA- 1 G-16 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
NOV., 1974												
26...	3400	2	1.9	.02	.46	2.7	.48	.09	.06	.03	21	.0
DEC.												
10...	3700	3	2.0	.00	.00	2.5	.00	.09	.04	.03	26	.0
MAR., 1975												
11...	4000	4	.31	.00	.00	.85	.00	.25	.07	.08	16	--

395035109074001 - (D-11-25)21CCA- 1 G-16 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
NOV., 1974												
26...	150	770	0	76	140	820	13	70	2.4	190	1500	6.7
DEC.												
10...	270	810	0	75	150	820	13	69	2.6	300	1400	3.7
MAR., 1975												
11...	.9	1200	710	160	190	990	13	64	11	69	2700	1.9

WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
NOV., 1974												
26...	19	28	<100	10	<20	7000	0	<10	2	33	80	1
DEC.												
10...	20	4	<100	<10	<16	7000	0	<10	2	1	50	0
MAR., 1975												
11...	12	2	<100	<10	<20	3900	0	25	0	3	630	2

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WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
NOV., 1974												
26...	30	0	8	0	2800	3.3	30	<20	0	<20	<20	620
DEC.												
10...	10	0	1	0	2700	.0	50	<16	0	<7	<16	620
MAR., 1975												
11...	80	26	2	0	2900	.0	10	<20	20	<10	<20	130

WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)
NOV., 1974												
26...	0	<13	<30	<7.1	.21	.8	3260	3410	4.43	2.4	2.0	.07
DEC.												
10...	0	<11	<25	<7.1	.59	--	3270	3550	4.45	2.6	.00	.00
MAR., 1975												
11...	1	<20	<20	<16	<.40	--	4610	4430	6.27	.40	.00	.00

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WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974						
26...	<.1	5560	77	--	<29	<6.2
DEC.						
10...	<.1	5560	77	.80	54	<6.4
MAR., 1975						
11...	.0	5560	77	.28	<52	<13

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WATER QUALITY DATA

DATE	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS- SOLVED URANIUM (U) (UG/L) (80020)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
OCT., 1974							
19...	--	.0	5040	504	--	--	--
NOV.							
27...	.00	<.1	5040	504	.05	<18	5.4
MAR., 1975							
13...	--	--	5040	504	--	--	--
13...	--	--	5040	504	--	--	--
13...	.00	.1	5040	504	.10	<21	<4.3
13...	--	--	5040	504	--	--	--
MAY							
12...	--	--	5040	504	--	--	--
12...	--	--	5040	504	--	--	--
12...	.00	.1	5040	504	.15	44	<4.5
JUNE							
24...	.03	.0	5040	504	.23	<15	<8.7

WATER QUALITY DATA

DATE	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)
OCT., 1974												
19...	--	280	0	--	--	--	--	1440	1380	1.96	2.4	--
NOV.												
27...	<27	260	0	<17	<37	6.5	.07	1290	1280	1.75	.59	.09
MAR., 1975												
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	<9	310	0	<9	<9	<5.4	<.40	1370	1410	1.86	.71	.04
13...	<9	230	--	<9	<9	--	--	--	--	--	--	--
MAY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	<20	290	--	<8	<20	--	--	--	--	--	--	--
12...	--	290	0	--	--	<4.8	.18	1270	1560	1.73	.55	.00
JUNE												
24...	<13	320	0	<4	<13	<11	<.40	1280	1400	1.74	.58	.13

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WATER QUALITY DATA

DATE	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)
OCT., 1974												
19...	140	--	--	--	--	--	3100	--	10	--	--	--
NOV.												
27...	60	0	250	140	3	0	2100	3.2	10	<27	0	<11
MAR., 1975												
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	60	1	40	2	2	0	2000	.0	20	<9	10	<4
13...	3800	<9	30	20	<9	<1	2300	<9.0	--	<9	45	<4
MAY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	250	<15	37	30	<15	<2	6000	<15	20	<15	140	<7
12...	60	1	20	0	1	0	2300	.4	20	--	<10	--
JUNE												
24...	40	<10	25	15	<10	<1	3000	<10	0	<13	40	<4

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WATER QUALITY DATA

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)
OCT., 1974												
19...	470	1.0	8.8	2	--	--	--	620	--	--	--	0
NOV.												
27...	450	1.0	6.5	2	<100	<10	<25	670	0	<10	3	2
MAR., 1975												
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	410	1.2	15	9	<100	<10	<9	1200	0	13	0	0
13...	--	--	--	--	25	<2	<9	800	<130	20	<9	5
MAY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	30	<4	<20	170	0	<15	<15	4
12...	400	1.3	16	5	0	0	--	790	0	0	0	1
JUNE												
24...	310	1.3	19	4	20	<2	<13	500	0	<10	<10	10

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WATER QUALITY DATA

DATE	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT., 1974												
19...	--	--	55	150	0	20	23	420	15	86	2.5	55
NOV.												
27...	4.1	.0	1.0	140	0	14	26	420	15	86	1.4	36
MAR., 1975												
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	3.3	--	66	120	0	9.8	22	450	18	89	2.6	64
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	2.3	--	75	100	0	8.7	19	430	19	90	2.0	64
JUNE												
24...	2.8	123	80	120	0	11	21	450	18	89	1.8	82

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WATER QUALITY DATA

DATE	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED ORTHO PHOSPHATE (P04) (MG/L) (00660)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L) (00671)
OCT., 1974												
19...	550	51	--	--	1.9	--	--	2.7	.07	.15	.16	.05
NOV.												
27...	572	34	1600	1	.46	.00	.02	.58	.02	.03	.02	.01
MAR., 1975												
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	644	47	1500	4	.55	.00	.01	.51	.01	.09	.02	.03
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	978	54	2200	2	.43	.00	.00	.80	.00	.15	.02	.05
JUNE												
24...	470	189	1400	--	.45	.01	.03	.91	.04	.28	.09	.09

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WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	AIR TEMPER-ATURE (DEG C) (00020)	INSTAN-TANEOUS FLOW RATE (GPM) (00059)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT., 1974												
19...	1201	--	--	--	--	--	--	2050	--	--	--	536
NOV.												
27...	1330	--	--	14.7	--	--	0	300	8	9.2	.6	526
MAR., 1975												
13...	1300	--	752879	--	--	--	--	--	--	--	--	--
13...	1303	--	752814	--	--	--	--	--	--	--	--	--
13...	1430	--	752881	15.0	7.0	--	40	2050	97	8.9	1.5	606
13...	1433	--	752814	--	--	--	--	--	--	--	--	--
MAY												
12...	1110	--	753388	--	--	--	--	--	--	--	--	--
12...	1111	--	753402	--	--	--	--	--	--	--	--	--
12...	1310	--	753390	16.0	17.0	13	3	2000	92	8.8	2.8	892
JUNE												
24...	--	183	755083	15.0	--	--	10	2040	100	10.3	.1	700

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WATER QUALITY DATA

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_SOLVED NITRITE (NO2) (MG/L) (71856)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
OCT., 1974											
18...	--	2.22	5.0	.00	.13	.0	5040	317	--	--	--
DEC.											
11...	--	1.99	.68	.00	.03	<.1	5040	317	--	<16	4.4
MAR., 1975											
13...	--	3.58	2.3	.04	.00	.1	5040	317	.26	<32	<6.4
13...	--	--	--	--	--	--	5040	317	--	--	--
13...	--	--	--	--	--	--	5040	317	--	--	--
13...	--	--	--	--	--	--	5040	317	--	--	--
MAY											
12...	--	3.63	2.2	.00	.00	.0	5040	317	.24	<27	<11
12...	--	--	--	--	--	--	5040	317	--	--	--
12...	--	--	--	--	--	--	5040	317	--	--	--
JUNE											
24...	--	3.78	2.3	.13	.00	.0	5040	317	.43	<30	<15
JULY											
27...	--	3.84	2.6	.04	.03	.0	5040	317	--	--	--
AUG.											
18...	--	--	--	--	--	--	5040	317	--	--	--
19...	73.7	3.71	2.3	.00	.00	.0	5040	317	--	--	--

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WATER QUALITY DATA

DATE	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)
OCT., 1974												
18...	--	--	--	240	0	--	--	--	--	--	1630	1590
DEC.												
11...	0	<10	<24	270	0	<15	<30	5.0	.12	1.0	1460	1460
MAR., 1975												
13...	10	<7	<15	330	1	<15	<15	<7.8	<.40	--	2630	2570
13...	280	<7	<15	200	--	<15	<15	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	10	--	--	310	0	--	--	<14	.13	--	2670	2530
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	30	<4	<10	300	--	<4	<10	--	--	--	--	--
JUNE												
24...	50	<8	<24	350	0	<8	<35	<19	<.40	--	2780	2710
JULY												
27...	30	--	--	300	0	--	--	--	--	--	2820	2840
AUG.												
18...	30	<8	<17	280	--	<8	<35	--	--	--	--	--
19...	10	<8	<16	360	0	<8	<35	--	--	--	2730	2680

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WATER QUALITY DATA

DATE	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)
OCT., 1974												
18...	--	0	90	--	--	--	--	--	3100	--	80	--
DEC.												
11...	2	0	90	0	130	14	16	0	2600	1.2	0	<23
MAR., 1975												
13...	0	0	160	1	60	29	2	0	4000	1.2	20	<15
13...	<15	6	1200	<15	40	90	<15	<2	4600	<15	--	<15
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	1	0	280	2	60	11	1	0	4500	.0	30	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	<9	4	330	<9	25	<4	<9	<1	3500	<9.0	0	<9
JUNE												
24...	<16	7	170	<16	30	80	<16	<2	5400	<16	30	<24
JULY												
27...	0	3	10	1	30	57	4	0	5100	1.0	10	--
AUG.												
18...	<17	<4	70	<17	30	70	<17	<2	5000	<17	30	<17
19...	1	4	100	0	20	74	0	0	4600	1.9	10	<16

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WATER QUALITY DATA

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)
OCT., 1974												
18...	3.3	36	730	.9	18	19	--	--	--	360	--	--
DEC.												
11...	2.1	76	540	1.1	18	13	<100	<10	<23	1100	0	<10
MAR., 1975												
13...	3.1	82	1300	.8	20	25	<100	<10	<15	320	0	13
13...	--	--	--	--	--	--	45	<4	<15	260	<230	<15
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	2.2	64	1300	.5	20	10	0	0	--	340	0	0
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	25	<2	<10	720	0	<9
JUNE												
24...	1.8	70	1400	.5	22	24	25	<4	<16	140	0	<16
JULY												
27...	11	59	1500	.4	21	1	<100	<10	--	330	0	0
AUG.												
18...	--	--	--	--	--	--	25	<8	<17	150	0	<17
19...	2.2	47	1400	.4	19	16	<100	<10	<16	280	0	0

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WATER QUALITY DATA

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	TOTAL SUL-FIDE (S) (MG/L) (00745)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)
OCT., 1974												
18...	.02	--	--	--	6.3	210	0	30	32	460	14	83
DEC.												
11...	.01	5.2	.0	--	18	180	0	20	30	450	15	85
MAR., 1975												
13...	.05	4.1	--	--	14	230	0	29	37	790	23	88
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	.05	3.3	--	18	4.4	240	0	27	41	770	22	88
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
24...	.05	19	109	--	3.7	280	0	29	49	820	22	87
JULY												
27...	.00	5.0	--	--	1.0	290	0	30	51	840	22	86
AUG.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
19...	.01	16	258	--	3.2	290	0	25	54	810	21	86

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WATER QUALITY DATA

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED ORTHO PHOSPHATE (P04) (MG/L) (00660)	TOTAL PHOSPHORUS (P) (MG/L) (00665)
OCT., 1974												
18...	434	529	0	--	--	3.9	.04	.00	5.0	.00	.06	.06
DEC.												
11...	496	605	0	1900	2	.53	.01	.00	.64	.01	.03	.03
MAR., 1975												
13...	474	578	0	2900	5	1.8	.00	.01	1.8	.01	.15	.02
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	492	600	0	2700	1	1.7	.00	.00	2.2	.00	.15	.02
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
24...	514	627	0	2900	3	1.8	.00	.03	2.0	.03	.15	.02
JULY												
27...	534	651	0	--	1	2.0	.01	.01	2.0	.02	.00	.03
AUG.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
19...	516	629	0	--	0	1.8	.00	.00	1.9	.00	.03	.04

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WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	AIR TEMPER-ATURE (DEG C) (00020)	INSTAN-TANEOUS FLOW RATE (GPM) (00059)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)
OCT., 1974												
18...	1201	--	--	--	--	--	--	--	2370	--	--	--
DEC.												
11...	1045	--	752096	14.5	--	--	--	3	2060	38	8.3	4.9
MAR., 1975												
13...	1300	--	752880	15.0	5.0	--	--	5	3500	27	8.0	9.2
13...	1303	--	752815	--	--	--	--	--	--	--	--	--
13...	1430	--	752881	--	--	--	--	--	--	--	--	--
13...	1433	--	752813	--	--	--	--	--	--	--	--	--
MAY												
12...	1110	--	753389	16.0	15.0	12	--	4	3700	16	7.9	12
12...	1310	--	753389	--	--	--	--	--	--	--	--	--
12...	1313	--	753403	--	--	--	--	--	--	--	--	--
JUNE												
24...	1300	123	755090	15.4	--	--	--	4	3000	12	8.4	4.0
JULY												
27...	1702	--	--	16.3	--	--	--	5	3600	11	8.5	3.3
AUG.												
18...	1402	--	760541	--	--	--	--	--	--	--	--	--
19...	1106	263	760542	15.8	--	--	10	23	1810	10	8.3	5.0

WATER QUALITY DATA

DATE	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS- SOLVED URANIUM (U) (UG/L) (80020)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
DEC., 1974					
30...	5272	612	.41	<26	5.4
APR., 1975					
04...	5272	612	.15	<17	<5.1
MAY					
14...	5272	612	--	--	--
14...	5272	612	.26	<21	<5.5

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WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS-SOLVED NITRATE (NO3) (MG/L) (71851)	DIS-SOLVED NITRITE (NO2) (MG/L) (71856)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)
DEC., 1974												
30...	0	<18	<45	6.3	<.40	1250	1220	1.70	1.2	1.1	.03	.2
APR., 1975												
04...	0	--	--	<6.4	<.40	1380	1340	1.88	1.1	.04	.00	.0
MAY												
14...	--	<4	<10	--	--	--	--	--	--	--	--	--
14...	0	--	--	<6.9	<.01	1430	1410	1.94	.95	.00	.00	.0

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WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
DEC., 1974												
30...	10	30	12	0	60	4.5	20	<25	20	<12	<26	360
APR., 1975												
04...	0	6	2	0	90	.0	6	--	30	--	--	440
MAY												
14...	6	5	<7	0	150	<5.0	20	<7	140	<3	<7	420
14...	10	0	1	0	150	.0	60	--	50	--	--	450

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WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
DEC., 1974												
30...	6.2	2	<100	<10	<25	910	1	0	0	28	100	1
APR., 1975												
04...	6.3	3	<100	<10	--	1100	0	0	1	44	60	2
MAY												
14...	--	--	12	<3	<7	800	0	<7	<7	6	260	<7
14...	8.5	4	0	0	--	880	0	0	0	3	410	2

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WATER QUALITY DATA

DATE	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
DEC., 1974												
30...	.1	15	0	4.0	1.1	480	55	98	2.4	35	150	1.5
APR., 1975												
04...	.2	95	0	1.7	22	520	23	92	4.1	32	120	2.0
MAY												
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	9.0	8	0	1.3	1.0	570	91	99	1.4	31	150	2.1

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WATER QUALITY DATA

DATE	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED ORTHO PHOSPHATE (P04) (MG/L) (00660)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
DEC., 1974												
30...	168	180	5	.92	.01	.24	1.4	.25	.25	.09	.08	11
APR., 1975												
04...	279	1600	3	.84	.00	.01	1.3	.01	.21	.11	.07	6.9
MAY												
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	221	1600	2	.74	.00	.00	1.2	.00	.31	.13	.10	2.3

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WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	INSTANTANEOUS FLOW RATE (GPM) (00059)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)
DEC., 1974												
30...	1530	752265	--	--	--	40	2000	35	10.7	.0	887	740
APR., 1975												
04...	1401	--	14.8	--	--	25	2090	22	9.2	1.3	1050	717
MAY												
14...	1111	753426	--	--	--	--	--	--	--	--	--	--
14...	1115	753393	19.0	21.5	7.2	35	2200	51	9.4	.8	1050	833

395226109091202 - (D-11-25) 7DAC- 2[illegible]A

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WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	TOTAL ACIDITY AS CACO3 (MG/L) (00435)	BICAR-BONATE (HCO3) (MG/L) (00440)
MAR., 1975												
25...	1215	12	--	7.1	40	5500	81	12.0	.0	220	--	236
APR.												
29...	1110	--	--	8.0	9	5000	67	7.9	6.0	243	--	296
29...	1111	--	753370	--	--	--	--	--	--	--	--	--
MAY												
28...	1110	9.5	--	13.0	15	4500	44	3.6	179000	365	5.0	445
JULY												
21...	1120	10	--	32.2	10	5250	78	8.8	1.1	371	--	452
AUG.												
06...	1115	--	760243	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED ORTHO PHOSPHATE (P04) (MG/L) (00660)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
MAR., 1975												
25...	16	4600	2	.05	.00	.16	1.3	.16	.00	.09	.00	35
APR.												
29...	0	4900	1	.13	.02	.42	1.2	.44	.06	.14	.02	24
29...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28...	0	--	2	.03	.03	.25	1.3	.28	.12	.13	.04	20
JULY												
21...	0	--	1	.03	.01	.10	1.8	.11	.00	.21	.00	32
AUG.												
06...	--	5000	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
MAR., 1975												
25...	.0	990	770	130	160	930	13	67	13	63	2600	.5
APR.												
29...	.1	1300	1100	190	200	890	11	60	10	61	2800	.6
29...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28...	--	1200	870	180	190	860	11	60	9.5	56	2700	1.0
JULY												
21...	.0	1200	790	170	180	850	11	61	11	54	2500	1.0
AUG.												
06...	--	--	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
MAR., 1975												
25...	9.3	1	<100	<10	--	1300	0	0	0	12	10	0
APR.												
29...	9.3	2	0	0	--	1600	0	20	0	50	70	1
29...	--	--	200	<7	<40	1500	0	<30	<30	770	90000	160
MAY												
28...	8.7	1	0	0	--	1800	0	0	2	60	50	1
JULY												
21...	8.3	1	--	--	--	2000	0	--	0	37	10	1
AUG.												
06...	--	--	--	--	--	--	--	--	--	--	--	--

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395226109091202 - (D-11-25) 7DAC- [illegible]-13A

WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
MAR.. 1975												
25...	0	48	4	0	1800	.0	10	--	40	--	--	120
APR.												
29...	20	41	4	0	3100	1.3	10	--	30	--	--	130
29...	400	60	65	<3	4400	<30	530	<30	8000	<10	<45	120
MAY												
28...	70	36	7	0	3300	.0	40	--	20	--	--	100
JULY												
21...	60	--	6	0	--	.0	20	--	--	--	--	120
AUG.												
06...	--	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	TOTAL ACIDITY AS H+ (MG/L) (71825)	DIS_SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_SOLVED NITRATE (NO3) (MG/L) (71851)
MAR., 1975												
25...	2	--	--	24	<.40	--	4340	4040	5.90	--	.06	.71
APR.												
29...	3	--	--	31	.04	14	4580	4310	6.23	--	.17	1.9
29...	--	300	<45	--	--	--	--	--	--	--	--	--
MAY												
28...	4	--	--	--	--	--	4430	4230	6.02	.1	.04	1.1
JULY												
21...	--	--	--	--	--	--	4380	4000	5.96	--	.04	.44
AUG.												
06...	--	--	--	92	--	--	--	--	--	--	--	--

395226109091202 - (D-11-25) 7DAC- 2G-13A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS- SOLVED URANIUM (U) (UG/L) (80020)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
MAR., 1975							
25...	.00	.0	5362	21	.37	61	19
APR.							
29...	.07	.0	5362	21	--	<68	25
29...	--	--	5362	21	--	--	--
MAY							
28...	.10	.0	5362	21	--	--	--
JULY							
21...	.03	.0	5362	21	--	--	--
AUG.							
06...	--	--	5362	21	--	340	78

PROCESS DATE 10/08/75

395515109094902 - (D-10-24)25BDD- 1G-18A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS- SOLVED URANIUM (U) (UG/L) (80020)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
MAR., 1975								
24...	.00	.00	.0	5253	31	.04	<33	<25
APR.								
29...	6.5	1.1	.0	5253	31	.05	<39	21
29...	--	--	--	5253	31	--	--	--
MAY								
28...	1.4	2.0	.0	5253	31	--	--	--
JULY								
21...	.71	2.5	.1	5253	31	--	--	--

PROCESS DATE 10/08/75

395515109094902 - (D-10-24)25BDD- 1G-18A DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	TOTAL ACIDITY AS H+ (MG/L) (71825)	HY-DROX-IDE (OH) (MG/L) (71830)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)
MAR., 1975												
24...	100	4	--	--	<30	<.40	3220	2740	4.38	--	500	.36
APR.												
29...	90	4	--	--	26	.01	2890	2820	3.93	--	--	.23
29...	90	--	160	<25	--	--	--	--	--	--	--	--
MAY												
28...	110	2	--	--	--	--	3150	3190	4.28	.0	--	.04
JULY												
21...	130	--	--	--	--	--	2960	2750	4.03	--	240	.64

395515109094902 - (D-10-24)25BDD- 1G-18A DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)
MAR., 1975												
24...	14	0	250	3	0	2400	.0	10	--	30	--	--
APR.												
29...	0	5	75	0	0	2100	1.0	10	--	20	--	--
29...	60	300	90	35	<2	5000	<20	190	<20	4900	<8	<25
MAY												
28...	2	20	140	4	0	2200	1.9	40	--	50	--	--
JULY												
21...	9	--	--	6	0	--	2.3	--	--	--	--	--

395515109094902 - (D-10-24)25BDD- 1G-18A DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)
MAR., 1975												
24...	.4	1.0	1	<100	<10	--	250	0	10	0	60	20
APR.												
29...	.2	2.6	0	0	0	--	460	0	0	0	22	50
29...	--	--	--	120	<4	<25	300	0	25	<20	330	33000
MAY												
28...	.3	2.1	1	0	0	--	40	0	0	0	130	30
JULY												
21...	.4	2.6	1	--	--	--	60	0	--	0	--	10

395515109094902 - (D-10-24)25BDD- 1G-18A DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	DIS-SOLVED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
MAR., 1975												
24...	--	.2	1500	1400	580	.2	550	6.3	45	22	44	1000
APR.												
29...	--	.0	700	640	260	12	640	11	66	12	45	1800
29...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28...	--	.0	1000	420	410	1.0	640	8.7	57	18	46	1700
JULY												
21...	136	.0	790	730	270	28	700	11	65	25	45	1400

395515109094902 - (D-10-24)25BDD- 1G-18A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED ORTHO PHOSPHATE (P04) (MG/L) (00660)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
MAR., 1975												
24...	38	3000	3	.28	.00	.00	1.1	.00	.12	.05	.04	28
APR.												
29...	10	3100	2	.18	.33	1.5	.62	1.8	.03	.04	.01	17
29...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28...	0	--	3	.03	.60	.31	1.2	.91	.09	.11	.03	13
JULY												
21...	37	--	3	.50	.77	.16	1.8	.93	.00	.00	.00	60

395515109094902 - (D-10-24)25BDD- [illegible]-18A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	TOTAL ACIDITY AS CACO3 (MG/L) (00435)	BICARBONATE (HCO3) (MG/L) (00440)
MAR., 1975												
24...	1518	28	--	10.5	20	8000	68	13.6	.0	1530	--	0
APR.												
29...	1240	--	--	7.3	2	3700	34	10.6	.0	66	--	60
29...	1242	--	753369	--	--	--	--	--	--	--	--	--
MAY												
28...	1220	27	--	1365	9	5250	71	3.4	475000	612	.0	746
JULY												
21...	--	27	--	--	8	5500	160	12.4	.0	767	--	0

395035109074002 - (D-11-25)21CCA- 2G-16A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974						
26...	<.1	5560	193	<.01	<10	<2.3
DEC.						
10...	<.1	5560	193	<.01	<9.8	<2.2
MAR., 1975						
11...	.1	5560	193	.04	<16	<3.3
11...	--	5560	193	--	--	--

395035109074002 - (D-11-25)21CCA- 2G-16A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)
NOV., 1974												
26...	120	0	<5	<10	<2.9	.21	855	969	1.16	1.2	.44	.00
DEC.												
10...	110	0	<5	<10	<2.7	.14	826	820	1.12	1.2	.09	.00
MAR., 1975												
11...	130	0	--	--	<4.0	<.40	835	797	1.14	.91	.04	.00
11...	60	--	<7	<13	--	--	--	--	--	--	--	--

PROCESS DATE 08/75

395035109074002 - (D-11-25)21CCA- 2G-16A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)
NOV., 1974												
26...	0	0	0	1	0	50	.0	10	<6	0	<3	<6
DEC.												
10...	0	0	0	18	0	50	.0	0	<7	0	<3	<7
MAR., 1975												
11...	0	10	0	0	0	60	.2	30	--	10	--	--
11...	<7	<3	<3	<7	0	65	<7.0	0	<7	130	<3	<10

PROCESS DATE [illegible]8/75

DISTRICT CODE 49

395035109074002 - (D-11-25)21CCA- 2G-16A

WATER QUALITY DATA

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)
NOV., 1974												
26...	1.0	8.9	1	100	<10	<6	480	0	<10	3	3	70
DEC.												
10...	1.0	8.8	0	100	<10	<7	420	0	<10	1	1	50
MAR., 1975												
11...	.9	8.1	0	<100	<10	--	300	0	6	1	2	40
11...	--	--	--	65	<2	<7	270	0	<7	<7	<2	40

395035109074002 - (D-11-25)21CCA- 2G-16A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
NOV., 1974												
26...	.0	2.6	5	0	1.9	.1	430	82	99	.6	10	20
DEC.												
10...	.0	.2	3	0	1.1	.0	340	89	100	.5	6.8	3.5
MAR., 1975												
11...	--	.4	7	0	.7	1.3	340	56	99	.7	7.0	5.0
11...	--	--	--	--	--	--	--	--	--	--	--	--

PROCESS DATE 10/08/75

395035109074002 - (D-11-25)21CCA- 2G-16A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED ORTHO PHOSPHATE (P04) (MG/L) (00660)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
NOV., 1974												
26...	120	940	1	.90	.00	.10	1.2	.10	.25	.13	.08	4.2
DEC.												
10...	109	910	1	.91	.00	.02	.93	.02	.34	.15	.11	4.1
MAR., 1975												
11...	138	1400	4	.71	.00	.01	.72	.01	.25	.09	.08	3.1
11...	--	--	--	--	--	--	--	--	--	--	--	--

395035109074002 - (D-11-25)21CCA- 16A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	AIR TEMPER-ATURE (DEG C) (00020)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)
NOV., 1974												
26...	1530	5.0	752100	12.4	--	5	1380	10	9.9	.2	817	753
DEC.												
10...	0915	--	752101	10.5	--	0	1350	8	--	--	758	703
MAR., 1975												
11...	0900	--	752874	11.5	3.0	3	1350	7	9.3	.7	717	594
11...	0909	--	752910	--	--	--	--	--	--	--	--	--

395548109080701 - (D-10-25)19DDA- 1 P-4 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS- SOLVED URANIUM (U) (UG/L) (80020)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
MAY , 1975							
15...	--	--	5600	1176	--	--	--
15...	.00	.0	5600	1176	.66	<15	8.1
JUNE							
26...	.03	.0	5600	1176	1.2	<15	<8.2

395548109080701 - (D-10-25)19DDA- 1 P-4 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS-SOLVED NITRATE (NO3) (MG/L) (71851)
MAY , 1975									
15...	<3	<9	--	--	--	--	--	--	--
15...	--	--	10	<.40	1090	1040	1.48	3.6	.00
JUNE									
26...	<4	<16	<10	<.40	1060	1040	1.44	3.2	.00

WATER QUALITY DATA

DATE	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)
MAY , 1975												
15...	200	<6	0	5000	<4.0	30	<6	50	<3	<6	650	--
15...	100	1	0	3800	2.1	30	--	20	--	--	680	0
JUNE												
26...	150	<8	<1	5200	<8.0	10	<11	60	<4	<11	770	0

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WATER QUALITY DATA

DATE	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)
MAY , 1975												
15...	--	170	<2	<6	3000	0	<6	<6	3	60	<6	8
15...	400	0	0	--	5200	0	0	0	1	110	2	20
JUNE												
26...	950	200	<2	<8	3100	0	<8	<8	2	75	<8	15

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WATER QUALITY DATA

DATE	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	DIS-SOLVED CALCIUM (CA) (MG/L) (00915)	DIS-SOLVED MAGNESIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM ADSORPTION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED POTASSIUM (K) (MG/L) (00935)	DIS-SOLVED CHLORIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUORIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)
MAY , 1975												
15...	--	--	--	--	--	--	--	--	--	--	--	--
15...	110	0	8.1	21	360	15	87	4.5	230	76	2.4	15
JUNE												
26...	120	0	9.3	22	350	14	87	3.9	220	86	2.2	18

PROCESS DATE 1[illegible]8/75

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WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)
MAY , 1975												
15...	--	--	--	--	--	--	--	--	--	--	--	--
15...	1200	1	2.8	.00	.00	4.3	.00	.46	.17	.15	57	4.8
JUNE												
26...	1100	4	2.5	.01	.00	3.9	.01	.40	.19	.13	49	10

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WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
MAY , 1975												
15...	1610	--	753429	--	--	--	--	--	--	--	--	--
15...	1612	300	753433	15.3	20	1720	260	10.9	.0	500	522	43
JUNE												
26...	--	--	755089	14.5	30	1600	190	10.7	.0	509	621	0

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HASP-II***HASP-II.......END JOB 864.....11.16.13 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II.......END JOB 864.....11.16.13 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II.......END JOB 864.....11.16.13 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II.......END JOB 864.....11.16.13 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II.......END JOB 864.....11.16.13 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
HASP-II***HASP-II.......END JOB 864.....11.16.13 AM  9 OCT 75.....BOX OBC.....AG40BCDF....FINN.....HASP-II***HASP-II
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Rec'd 10/14/75
EB

395751109094501 - (D-10-24)12BDB- 1 G-17 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
DEC., 1974						
17...	<.1	5194	220	<.01	<15	<3.8
MAR., 1975						
18...	.0	5194	220	.45	69	24
18...	--	5194	220	--	--	--

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395751109094501 - (D-10-24)12BDB- 1 G-17 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)
DEC., 1974												
17...	5	<20	<40	<4.5	.02	<.4	1330	1440	1.81	26	.22	.07
MAR., 1975												
18...	0	--	--	29	<.40	--	4530	4330	6.16	.58	.04	.00
18...	--	40	<20	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
DEC., 1974												
17...	0	100	2	0	60	22	20	<30	4900	<12	<30	210
MAR., 1975												
18...	60	21	3	0	4800	0	40	--	<10	--	--	310
18...	40	60	100	<1	420	<10	190	<10	2000	<5	<15	240

PROCESS DATE 1[illegible]08/75

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WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
DEC., 1974												
17...	2.3	9	<100	<10	<28	790	1	<10	3	3900	260	400
MAR., 1975												
18...	15	8	<100	<10	--	2400	0	25	0	2	2300	0
18...	--	--	110	<4	<10	230	0	<10	<10	6000	12000	4000

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WATER QUALITY DATA

DATE	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
DEC., 1974												
17...	.8	12	0	4.1	.4	500	63	98	6.8	39	460	3.2
MAR., 1975												
18...	.8	1300	600	190	200	910	11	60	10	69	2500	1.5
18...	--	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
DEC., 1974												
17...	1700	6	20	.02	.05	39	.07	.09	.77	.03	360	.0
MAR., 1975												
18...	5200	5	.45	.00	.01	.78	.01	.12	.01	.04	11	--
18...	--	--	--	--	--	--	--	--	--	--	--	--

PROCESS DATE 1[illegible]8/75

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WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
DEC., 1974												
17...	1700	752094	--	--	40	2260	830	--	--	649	180	301
MAR., 1975												
18...	1400	752884	13.5	8.0	8	5230	29	9.3	.7	700	614	118
18...	1401	752967	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974												
20...	4030	--	6.02	.41	.00	.00	.0	5280	488	8.0	<38	<8.7
DEC.												
17...	1430	--	1.94	1.2	.00	.00	<.1	5280	488	--	20	5.8
MAR., 1975												
18...	4320	--	5.88	.40	.00	.00	.0	5280	488	12	<53	19
MAY												
13...	4130	--	5.92	.43	.00	.00	.0	5280	488	--	<68	<15
13...	--	--	--	--	--	--	--	5280	488	--	--	--
JUNE												
26...	4130	--	6.08	.45	.09	.00	.0	5280	488	11	<60	<25
AUG.												
17...	4380	6060	5.93	1.5	.00	.00	.0	5280	488	--	--	--

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WATER QUALITY DATA

DATE	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)
NOV., 1974												
20...	<22	10	<7	<22	160	0	<22	<33	<9.9	.35	--	4430
DEC.												
17...	<27	30	<11	<27	190	0	<20	<35	7.1	.08	2.1	1430
MAR., 1975												
18...	<25	<10	<11	<25	220	1	<25	<25	24	.50	--	4320
MAY												
13...	--	10	--	--	190	0	--	--	<18	.47	9.5	4350
13...	<20	90	<10	<30	170	--	<10	<30	--	--	--	--
JUNE												
26...	<36	140	<11	<36	200	0	<11	<60	<31	<.40	--	4470
AUG.												
17...	<25	0	<10	<25	210	0	<10	<50	--	--	--	4360

PROCESS DATE [illegible]08/75
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WATER QUALITY DATA

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
NOV., 1974												
20...	0	0	1	100	2	0	8	0	<1	6600	1.7	30
DEC.												
17...	<10	2	65	630	1	200	3	1	0	4300	.0	30
MAR., 1975												
18...	6	0	2	290	1	40	14	2	0	6500	.2	60
MAY												
13...	0	0	0	710	0	60	5	0	0	8700	.0	30
13...	<20	<20	<5	700	<20	70	<10	<20	<2	6100	<20	20
JUNE												
26...	<24	<24	<6	800	<24	40	80	<24	<3	8000	<24	20
AUG.												
17...	20	3	4	30	0	40	67	7	0	7200	2.1	90

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WATER QUALITY DATA

DATE	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)
NOV., 1974												
20...	64	7.4	58	2400	1.0	12	18	<100	<10	<22	2400	0
DEC.												
17...	61	2.4	38	780	.4	7.9	4	<100	<10	<25	640	0
MAR., 1975												
18...	62	9.0	59	2700	.9	11	8	<100	<10	<25	2200	0
MAY												
13...	62	6.3	56	2500	1.1	11	5	0	0	--	2300	0
13...	--	--	--	--	--	--	--	25	<5	<30	1500	0
JUNE												
26...	62	7.3	60	2500	1.2	12	3	32	<6	<24	1000	0
AUG.												
17...	61	9.2	59	2700	1.2	10	1	<100	<10	<25	2300	0

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DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)
NOV., 1974												
20...	.00	.02	.00	11	.0	6.6	1100	690	170	170	930	12
DEC.												
17...	.03	.00	.01	6.0	.0	.3	440	190	64	67	310	6.5
MAR., 1975												
18...	.15	.02	.05	11	--	4.7	1200	790	170	190	910	11
MAY												
13...	.03	.02	.01	9.2	--	.0	1200	770	170	190	910	11
13...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
26...	.09	.02	.03	11	--	4.3	1200	780	170	190	910	11
AUG.												
17...	.00	.05	.00	11	149	.6	1300	850	170	210	940	11

395733109095401 - (D-10-24)12CDA- 1 P-1 DISTRICT CODE 49

WATER QUALITY DATA

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	AMMONIA NITROGEN (N) (MG/L) (00610)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
NOV., 1974												
20...	445	543	0	4600	0	--	.32	--	.00	.00	.05	.00
DEC.												
17...	249	303	0	1400	3	--	.96	--	.00	.00	.93	.00
MAR., 1975												
18...	428	522	0	4800	4	--	.31	--	.00	.00	.63	.00
MAY												
13...	447	545	0	4950	2	--	.33	--	.00	.00	.77	.00
13...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
26...	440	536	0	4800	2	.65	.35	.35	.00	.02	1.0	.02
AUG.												
17...	443	540	--	--	6	--	1.2	--	.00	.00	.91	.00

395733109095401 - (D-10-24)12CDA- 1 P-1 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	INSTANTANEOUS FLOW RATE (GPM) (00059)	INSTANTANEOUS DISCHARGE (CFS) (00061)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)
NOV., 1974												
20...	1050	--	--	14.1	--	--	--	5	5100	28	7.5	27
DEC.												
17...	1100	--	752107	--	--	--	--	5	1810	17	--	--
MAR., 1975												
18...	1100	--	752883	14.0	3.0	--	--	20	5200	37	7.8	13
MAY												
13...	1540	--	753392	16.0	23.0	11	--	5	5100	30	7.6	22
13...	1544	--	753405	--	--	--	--	--	--	--	--	--
JUNE												
26...	1945	--	755088	14.8	--	--	--	8	4870	33	8.1	6.8
AUG.												
17...	1330	440	760540	--	--	--	515	15	--	45	--	--

WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974						
19...	.0	5127	100	11	<48	12
21...	.0	5127	100	7.5	<49	16
DEC.						
10...	<.1	5127	100	--	58	14
MAR., 1975						
13...	.2	5127	100	16	62	24

PROCESS DATE 10/08/75

395707109093102 - (D-10-24)13ADB- 2 G-8A

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_SOLVED NITRITE (NO2) (MG/L) (71856)
NOV., 1974												
19...	0	<20	<30	14	.06	--	3930	3500	5.34	.08	.58	.10
21...	0	<20	<32	19	.20	--	4320	4030	5.88	.18	.09	.00
DEC.												
10...	0	<45	<100	17	.17	11	4280	3920	5.82	.23	.04	.03
MAR., 1975												
13...	1	<22	<22	30	<.40	--	4200	3990	5.71	.14	.22	.00

395707109093102 - (D-10-24)13ADB- 2 G-8A DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
NOV., 1974												
19...	230	64	1	<1	5500	2.6	20	<20	10	<7	<20	200
21...	140	39	3	<1	5600	3.1	30	<20	20	<7	<20	220
DEC.												
10...	130	48	1	0	5600	.0	70	<70	0	<27	<70	230
MAR., 1975												
13...	120	41	9	0	4500	.0	90	<22	<10	<10	<22	250

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WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
NOV., 1974												
19...	16	3	<100	<10	<20	2100	1	0	1	6	530	2
21...	15	19	<100	<10	<20	2000	0	0	0	1	720	4
DEC.												
10...	15	12	<100	<10	<64	2300	1	<10	4	1	700	0
MAR., 1975												
13...	14	22	<100	<10	<22	2300	0	25	1	3	310	1

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DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
NOV., 1974												
19...	.0	1200	720	200	170	740	9.3	57	8.1	57	2000	.9
21...	.0	1300	800	210	190	840	10	58	4.5	56	2400	1.2
DEC.												
10...	.8	1200	750	200	180	850	11	60	5.9	58	2300	1.2
MAR., 1975												
13...	.0	1300	820	200	190	830	10	58	8.6	59	2400	1.3

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DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
NOV., 1974												
19...	4300	3	.06	.03	.13	.14	.16	.03	.65	.01	70	122
21...	4400	3	.14	.00	.02	1.3	.02	.00	.13	.00	14	9.8
DEC.												
10...	4400	2	.18	.01	.01	.58	.02	.06	.02	.02	14	.0
MAR., 1975												
13...	4600	3	.11	.00	.05	.37	.05	.12	.03	.04	11	--

395707109093102 - (D-10-24)13ADB- 2 G-8A

PROCESS DATE 10/08/75
DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
NOV., 1974												
19...	1500	--	12.5	--	10	5000	79	7.6	24	490	598	0
21...	1010	--	11.0	--	5	4900	39	7.2	63	511	623	0
DEC.												
10...	1635	752092	11.5	--	5	4750	30	--	--	499	608	0
MAR., 1975												
13...	0930	752819	11.5	.0	3	4800	24	7.6	23	468	571	0

395707109093101 - (D-10-24)13ADB- 1 G-8 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974						
19...	.0	5127	127	.01	13	5.9
DEC.						
17...	<.1	5127	127	<.01	<6.2	<9.5
MAR., 1975						
12...	.1	5127	127	8.7	<56	13

395707109093101 - (D-10-24)13ADB- 1 G-8

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	HY-DROX-IDE (OH) (MG/L) (71830)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)
NOV., 1974												
19...	1	<3	<5	7.4	.15	494	556	.67	--	.08	.09	.03
DEC.												
17...	1	<8	<16	12	.09	563	636	.77	67	.06	.00	.10
MAR., 1975												
12...	0	<25	<25	16	<.40	1640	1510	2.23	--	19	.00	.03

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WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
NOV., 1974												
19...	0	16	5	<1	510	2.6	40	<3	100	<1	<3	0
DEC.												
17...	0	23	11	0	560	1.9	10	<11	290	<5	<10	30
MAR., 1975												
12...	10	54	7	0	220	15	10	<25	90	<10	<25	370

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395707109093101 - (D-10-24)13ADB- 1 G-8 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
NOV., 1974												
19...	9.1	3	<100	<10	<3	190	0	0	1	5	50	1
DEC.												
17...	7.4	4	<100	10	<10	30	0	<10	3	38	20	7
MAR., 1975												
12...	9.8	12	<100	<10	<25	170	0	13	0	2500	550	100

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WATER QUALITY DATA

DATE	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
NOV., 1974												
19...	.0	250	37	100	.7	72	2.0	38	6.8	36	200	.2
DEC.												
17...	.4	300	66	120	.0	73	1.8	34	6.5	39	180	.3
MAR., 1975												
12...	1.4	22	0	5.7	1.7	550	52	98	4.9	48	420	2.8

PROCESS DATE 10/08/75

395707109093101 - (D-10-24)13ADB- 1 G-8 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
NOV., 1974												
19...	590	1	.06	.01	.02	.15	.03	.00	.05	.00	4.6	.0
DEC.												
17...	610	1	.05	.03	.00	.20	.03	.00	.04	.00	6.2	.0
MAR., 1975												
12...	5000	21	15	.01	.00	22	.00	.21	.24	.07	230	--

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WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
NOV., 1974												
19...	1400	--	12.5	--	0	1130	4	11.4	.0	216	26	117
DEC.												
17...	0120	--	--	--	0	1440	17	--	--	431	269	8
MAR., 1975												
12...	1600	752879	12.0	4.0	40	5300	760	7.7	28	728	887	0

395635109101501 - (D-10-24)13CCC- 1 G-10 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS-SOLVED URANIUM (U) (UG/L) (80020)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974						
22...	.0	5350	400	14	<67	21
DEC.						
13...	<.1	5350	400	--	<61	13
MAR., 1975						
14...	.1	5350	400	20	<71	32

395635109101501 - (D-10-24)13CCC- 1 G-10 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)
NOV., 1974												
22...	2	<25	<34	24	.21	--	4530	4140	6.16	.03	1.4	.26
DEC.												
13...	1	<45	<100	15	.21	20	4580	4520	6.23	.13	.89	.20
MAR., 1975												
14...	2	<25	<25	40	<.40	--	4760	4560	6.47	.04	.44	.03

395635109101501 - (D-10-24)13CCC- 1 G-10 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
NOV., 1974												
22...	0	90	5	<1	4300	3.2	30	<22	10	<8	<22	150
DEC.												
13...	20	85	50	0	4400	.0	70	<70	0	<30	<70	190
MAR., 1975												
14...	20	62	8	0	4300	.2	120	<25	<10	<12	<25	210

PROCESS DATE 10/08/75

395635109101501 - (D-10-24)13CCC- 1 G-10

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
NOV., 1974												
22...	11	19	<100	<10	<22	3100	1	0	0	1	410	1
DEC.												
13...	11	10	<100	10	<70	3300	0	<10	6	2	1100	0
MAR., 1975												
14...	11	11	<100	<10	<25	3500	0	13	1	6	420	1

395635109101501 - (D-10-24)13CCC- 1 G-10 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DISSOLVED SULFIDE (S) (MG/L) (00746)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	SODIUM ADSORPTION RATIO (00931)	PERCENT SODIUM (00932)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED FLUORIDE (F) (MG/L) (00950)
NOV., 1974												
22...	.0	1300	820	200	190	870	11	59	9.4	68	2500	.8
DEC.												
13...	.0	1300	860	200	200	940	11	61	7.1	71	2800	1.0
MAR., 1975												
14...	.2	1400	980	210	220	950	11	59	11	74	2800	1.1

395635109101501 - (D-10-24)13CCC- 1 G-10 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
NOV., 1974												
22...	4700	2	.02	.08	.31	.49	.39	.09	.04	.03	34	.0
DEC.												
13...	5000	2	.10	.06	.20	.56	.26	.12	.01	.04	16	.0
MAR., 1975												
14...	5200	--	.03	.00	.10	.41	.11	.09	.00	.03	14	--

395635109101501 - (D-10-24)13CCC- 1 G-10 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
NOV., 1974												
22...	1000	--	14.2	--	5	5100	75	--	--	463	565	0
DEC.												
13...	0955	752093	14.5	--	2	5000	32	7.3	46	470	573	0
MAR., 1975												
14...	1530	752820	13.7	7.0	3	5510	27	7.6	22	453	552	0

395614109111401 - (D-10-24)23BCA- 1 G-11

PROCESS DATE 10/08/75

DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS- SOLVED URANIUM (U) (UG/L) (80020)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974							
25...	.03	.0	5400	650	.08	<53	<10
DEC.							
13...	.03	<.1	5400	650	<.02	<57	<11
MAY , 1975							
13...	--	--	5400	650	--	--	--
13...	.00	.0	5400	650	.05	<65	<18
JUNE							
26...	.00	.0	5400	650	.33	<66	30

PROCESS DATE 10/08/75

395614109111401 - (D-10-24)23BCA- 1 G-11 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)
NOV., 1974												
25...	960	0	<25	<37	<12	.18	--	4760	4630	6.47	3.3	.00
DEC.												
13...	990	0	<50	<100	<13	.22	<.4	4760	4800	6.47	3.7	.04
MAY , 1975												
13...	900	--	<10	<35	--	--	--	--	--	--	--	--
13...	1000	0	--	--	<23	.13	--	4740	4570	6.45	2.8	.00
JUNE												
26...	1100	0	<13	<60	37	<.40	--	4310	5060	5.86	3.2	.09

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395614109111401 - (D-10-24)23BCA- 1 G-11 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)
NOV., 1974												
25...	2	0	1	1	<1	11000	2.5	20	<24	0	<8	<24
DEC.												
13...	0	0	0	6	0	11000	1.6	20	<80	0	<35	<80
MAY , 1975												
13...	<25	50	<10	<25	<3	9500	<25	10	<25	330	<10	<35
13...	2	40	1	0	0	13000	.0	40	--	10	--	--
JUNE												
26...	<27	40	65	<27	<3	11000	<27	10	<40	100	<13	<40

WATER QUALITY DATA

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)
NOV., 1974												
25...	.9	26	3	<100	<10	<24	3800	0	0	0	1	20
DEC.												
13...	1.0	27	1	<100	10	<75	4000	0	<10	2	0	70
MAY , 1975												
13...	--	--	--	23	<6	<35	2600	0	<25	<25	<6	180
13...	1.0	24	2	0	0	--	3700	0	0	0	0	180
JUNE												
26...	1.0	25	2	30	<6	<27	1500	0	<27	<27	<6	130

PROCESS DATE 10/08/75

395614109111401 - (D-10-24)23BCA- 1 G-11 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
NOV., 1974												
25...	9.3	62	750	140	64	140	1200	19	78	5.9	140	2600
DEC.												
13...	5.1	150	830	230	64	160	1200	18	76	3.4	110	2700
MAY , 1975												
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	10	800	280	66	150	1200	19	77	4.1	78	2700
JUNE												
26...	--	100	920	450	67	180	1300	19	76	4.3	80	3000

395614109111401 - (D-10-24)23BCA- 1 G-11 DISTRICT CODE 49

WATER QUALITY DATA

DATE	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED ORTHO PHOSPHATE (P04) (MG/L) (00660)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
NOV., 1974												
25...	0	4800	5	2.6	.01	.00	2.7	.01	.06	.02	.02	8.0
DEC.												
13...	0	5100	1	2.9	.01	.01	2.8	.02	.00	.03	.00	12
MAY , 1975												
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	0	4900	1	2.2	.00	.00	3.3	.00	1.2	.42	.40	12
JUNE												
26...	0	5200	12	2.5	.00	.02	3.1	.02	.18	.05	.06	11

PROCESS DATE [illegible]/08/75

395614109111401 - (D-10-24)23BCA- 1 G-11 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	INSTANTANEOUS FLOW RATE (GPM) (00059)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)
NOV., 1974												
25...	1013	--	16.8	--	--	--	5900	19	7.5	38	610	744
DEC.												
13...	1459	752097	15.5	--	--	3	5600	310	7.5	37	603	735
MAY , 1975												
13...	1344	753425	--	--	--	--	--	--	--	--	--	--
13...	1345	753391	19.0	22.0	6.7	--	6000	120	8.0	10	518	631
JUNE												
26...	1230	755086	17.5	--	--	15	6070	120	7.8	14	468	571

395603109120801 - (D-10-24)22CAD- 1 G-5

PROCESS DATE 10/08/75
DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE MSL) (72000)	TOTAL DEPTH OF WELL (FT) (72008)	DIS- SOLVED URANIUM (U) (UG/L) (80020)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)
NOV., 1974							
25...	.00	.0	5300	620	1.1	<36	<8.0
DEC.							
13...	.07	<.1	5300	620	.13	<24	<7.0
MAR., 1975							
17...	.03	.0	5300	620	.21	56	<12
MAY							
15...	.00	.0	5300	620	--	--	--
15...	--	--	5300	620	--	--	--
15...	--	--	5300	620	.72	<41	11
JUNE							
26...	.03	.0	5300	620	.93	<34	<10

395603109120801 - (D-10-24)22CAD- 1 G-5 DISTRICT CODE 49

WATER QUALITY DATA

DATE	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L) (70507)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)
NOV., 1974												
25...	940	0	<16	<24	<10	.10	3090	3400	4.20	--	3.7	.00
DEC.												
13...	960	0	<32	<70	<8.4	.11	3150	3320	4.28	--	3.6	.04
MAR., 1975												
17...	890	0	<17	<17	<16	<.40	--	2930	3.98	.32	3.0	.00
MAY												
15...	640	0	--	--	--	--	2280	2280	3.10	--	2.1	.00
15...	600	--	<6	<17	--	--	--	--	--	--	--	--
15...	--	--	--	--	14	.61	--	--	--	--	--	--
JUNE												
26...	780	0	<6	<24	<13	<.40	2360	2410	3.21	--	1.8	.13

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WATER QUALITY DATA

DATE	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)
NOV., 1974												
25...	2	20	3	7	<1	4800	<11	30	<16	20	<5	<16
DEC.												
13...	2	20	2	18	0	4800	20	20	<50	0	<20	<50
MAR., 1975												
17...	1	50	0	3	1	2900	5.0	10	<17	20	<8	<17
MAY												
15...	1	60	0	1	0	1600	3.3	20	--	10	--	--
15...	<10	30	10	<10	<1	1800	<8.0	0	<10	95	<5	<10
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
26...	<11	16	53	<11	<2	2000	<11	20	<17	140	<6	<17

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WATER QUALITY DATA

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)
NOV., 1974												
25...	1.4	27	10	300	<10	<16	6900	1	0	2	12	110
DEC.												
13...	2.3	26	1	300	<10	<46	8000	0	<10	2	1	80
MAR., 1975												
17...	2.3	23	6	200	<10	<17	8200	0	25	0	0	60
MAY												
15...	2.8	21	28	1000	0	--	7500	0	10	0	2	120
15...	--	--	--	500	<4	<10	3400	0	<10	<10	5	120
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
26...	2.2	22	150	280	<3	<11	2100	0	<11	<11	15	110

395603109120801 - (D-10-24)22CAD- 1 G-5 DISTRICT CODE 49

WATER QUALITY DATA

DATE	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)	DIS-SOL-VED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
NOV., 1974												
25...	62	220	140	0	14	23	1100	42	94	8.1	580	710
DEC.												
13...	.0	93	160	0	17	28	1100	38	94	3.2	390	1200
MAR., 1975												
17...	--	240	92	0	7.6	17	950	44	96	4.3	540	400
MAY												
15...	--	130	35	0	3.4	5.9	870	66	98	3.0	370	91
15...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
26...	--	160	46	0	3.7	8.4	860	57	98	2.7	400	410

395603109120801 - (D-10-24)22CAD- 1 G-5 DISTRICT CODE 49

WATER QUALITY DATA

DATE	CARBONATE (CO3) (MG/L) (00445)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED ORTHO PHOSPHATE (P04) (MG/L) (00660)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
NOV., 1974												
25...	0	3300	0	2.9	.00	.00	2.8	.00	.46	.11	.15	20
DEC.												
13...	0	2900	3	2.8	.02	.01	3.0	.03	.03	.07	.01	16
MAR., 1975												
17...	98	2800	7	2.3	.01	.00	2.2	.00	.98	.90	.32	11
MAY												
15...	171	--	3	1.6	.00	.00	2.4	.00	.03	.12	.01	12
15...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	3800	--	--	--	--	--	--	--	--	--	--
JUNE												
26...	0	2700	8	1.4	.01	.03	2.0	.04	.18	.15	.06	8.5

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WATER QUALITY DATA

DATE	TIME	DEPTH (FT) (00003)	SAMPLE NUMBER (00008)	TEMPER-ATURE (DEG C) (00010)	AIR TEMPER-ATURE (DEG C) (00020)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKA-LINITY AS CACO3 (MG/L) (00410)	BICAR-BONATE (HCO3) (MG/L) (00440)
NOV., 1974												
25...	1331	--	--	17.3	--	--	4700	370	8.0	23	1160	1410
DEC.												
13...	1249	--	752095	16.5	--	E200	4200	210	8.2	9.1	742	905
MAR., 1975												
17...	1100	--	752882	16.5	.0	20	4200	330	8.8	3.7	1210	1272
MAY												
15...	1310	483	--	17.2	--	15	3620	210	10.2	.2	1290	1220
15...	1311	--	753428	--	--	--	--	--	--	--	--	--
15...	1312	--	753432	--	--	--	--	--	--	--	--	--
JUNE												
26...	1020	--	755087	17.0	--	35	5000	180	8.2	11	894	1090

WATER QUALITY DATA

DATE	TIME	SAMPLE NUMBER (00008)	TEMPERATURE (DEG C) (00010)	AIR TEMPERATURE (DEG C) (00020)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	PH (UNITS) (00400)	CARBON DIOXIDE (CO2) (MG/L) (00405)	ALKALINITY AS CACO3 (MG/L) (00410)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
NOV., 1974												
21...	1200	--	10.3	--	10	3600	45	7.7	22	558	680	0
DEC.												
10...	1500	752091	10.5	--	5	3450	93	--	--	608	741	0
MAR., 1975												
12...	1330	752878	10.0	2.0	8	3300	110	8.0	12	633	772	0
12...	1331	752911	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	OIL AND GREASE (MG/L) (00550)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L) (00660)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L) (00671)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL IN-ORGANIC CARBON (C) (MG/L) (00685)
NOV., 1974												
21...	2900	6	1.3	.00	.03	1.6	.03	.12	.03	.04	16	9.0
DEC.												
10...	2800	2	1.4	.01	.00	1.6	.01	.09	.01	.03	39	.0
MAR., 1975												
12...	2900	5	1.2	.00	.01	1.4	.01	.15	.08	.05	14	--
12...	--	--	--	--	--	--	--	--	--	--	--	--

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WATER QUALITY DATA

DATE	DIS-SOLVED SUL-FIDE (S) (MG/L) (00746)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
NOV., 1974												
21...	42	620	58	60	110	680	12	71	3.4	87	1400	.6
DEC.												
10...	52	600	0	52	110	680	12	72	2.3	90	1300	.8
MAR., 1975												
12...	66	530	0	41	100	640	12	73	3.5	86	1100	.7
12...	--	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA

DATE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BISMUTH (BI) (UG/L) (01015)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
NOV., 1974												
21...	27	48	<100	<10	<14	40	0	0	1	1	110	1
DEC.												
10...	27	20	100	<10	<40	3200	0	<10	2	1	60	1
MAR., 1975												
12...	27	24	<100	<10	--	3600	0	0	0	0	60	1
12...	--	--	13	<5	<15	2400	1	<15	<15	<4	1200	<15

WATER QUALITY DATA

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED TIN (SN) (UG/L) (01100)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED GALLIUM (GA) (UG/L) (01120)	DIS-SOLVED GER-MANIUM (GE) (UG/L) (01125)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
NOV., 1974												
21...	20	4	3	1	11000	3.7	30	<14	0	<5	<14	1000
DEC.												
10...	10	5	8	0	11000	1.1	30	<45	0	<18	<45	1100
MAR., 1975												
12...	10	0	3	0	11000	.2	20	--	<10	--	--	1400
12...	10	<7	<15	<2	8500	<15	40	<15	80	<7	<20	900

WATER QUALITY DATA

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED TI-TANIUM (TI) (UG/L) (01150)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L) (01160)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS_ SOLVED AMMONIA (NH4) (MG/L) (71846)	DIS_ SOLVED NITRATE (NO3) (MG/L) (71851)	DIS_ SOLVED NITRITE (NO2) (MG/L) (71856)
NOV., 1974												
21...	0	<15	<22	<6.0	.34	--	2820	2760	3.84	1.7	.13	.00
DEC.												
10...	2	<30	<60	8.4	.25	1.9	2700	2700	3.67	1.8	.00	.03
MAR., 1975												
12...	0	--	--	<7.1	.50	--	2470	2460	3.36	1.5	.04	.00
12...	--	<15	<30	--	--	--	--	--	--	--	--	--

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